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ST. LOUIS SEED CO.

SEED ANNUAL

1933



ST. LOUIS SEED CO.
411-413 WASHINGTON AV. ST. LOUIS, MO.

VEGETABLE
SEEDS
HORTICULTURE
JAN 10 1933

OUR 1933 ANNUAL CATALOGUE

Serving the Gardener, Farmer and Amateur for years, we have always kept before us the importance of High Quality. Seeds of High Quality are those with a known pedigree that have been produced under conditions of painstaking care, harvested properly, and proved to be of strong vitality.

That we have succeeded in our efforts to furnish Seeds of this High Quality during the years we have been in business is shown by the very gratifying increase which our business has shown year by year. We have been favored, too, with remarkably loyal support on the part of our customers, many of whom started to trade with us years ago and are with us yet. To old and new customers alike we are sincerely grateful.

SUGGESTIONS FOR ORDERING

Phone, CEntral 4100

ORDER EARLY

Phone, CEntral 4100

WE WISH TO IMPRESS UPON YOU THE ADVANTAGE OF EARLY ORDERING.

It is not only a convenience to us but it is also for your sake that we request this. Avoid the spring rush and have your seeds when you want them. They will not spoil, and the delay necessarily attendant during the spring will be eliminated. You will not be waiting for your seeds, when you should be planting. Our service will please you even during the busy season. Send your order now.

Unknown correspondents desiring to open an account will furnish three references from parties in the trade with whom they have had credit relations, otherwise cash must accompany order.

Remittances should be made by Post-Office Money Orders, Drafts on St. Louis Banks, or Express Money Orders. Where it is not possible to obtain these, the letter should be registered. We cannot guarantee receipt of money sent in any other way.

Goods desired C. O. D. must be accompanied by a partial remittance to guarantee acceptance.

In filling out your orders always give Shipping Directions, and write Name and Address distinctly on each and every order.

PARCEL POST—Customers on R. F. D. routes, and beyond express delivery will aid us by stating: "Goods reach us by Parcel Post only," to avoid mistakes in sending by express.

ALL PRICES on VEGETABLE SEEDS are net, but on **PACKETS**, up to 5 LBS. **WE PREPAY POSTAGE, EXCEPT WHEN NOTED.**

PURCHASER PAYS TRANSPORTATION on Plants, Shrubs, Potatoes, Farm Seeds, Grass Seeds, Implements, Sundries and Poultry Supplies; also Seed by gallon, peck and bushel.

EXPRESS AND FREIGHT CHARGES on large quantities are cheaper than Parcel Post. We charge no cartage to depots or the Express Company offices, nor do we charge for boxes, packing or for small muslin bags.

When seamless cotton bags are required they must be remitted for; 20c each.

THE PRICES QUOTED IN THIS CATALOGUE ARE NET—We reserve the right to advance prices without notice should current conditions require it.

Dis. apart	No. plants	Dis. apart	No. plants	Dis. apart	No. plants
12 x 3 in.....	174,240	30 x 30 in.....	6,970	48 x 48 in.....	2,723
12 x 12 in.....	43,560	36 x 12 in.....	14,520	60 x 36 in.....	2,901
16 x 1 in.....	392,040	36 x 18 in.....	9,680	60 x 48 in.....	2,178
18 x 3 in.....	116,160	36 x 24 in.....	7,260	60 x 60 in.....	1,743
18 x 12 in.....	29,040	42 x 12 in.....	12,446	8 x 3 ft.....	1,815
24 x 18 in.....	15,520	42 x 36 in.....	4,148	8 x 8 ft.....	680
24 x 24 in.....	10,890	48 x 12 in.....	10,890	10 x 6 ft.....	726
30 x 6 in.....	34,848	48 x 18 in.....	7,790	10 x 10 ft.....	435
30 x 12 in.....	17,424	48 x 30 in.....	4,356	12 x 5 ft.....	736
30 x 16 in.....	13,068	48 x 36 in.....	3,630	12 x 12 ft.....	302
30 x 20 in.....	10,454			16 x 16 ft.....	170

PLEASE NOTE—ABOUT WARRANTING SEEDS

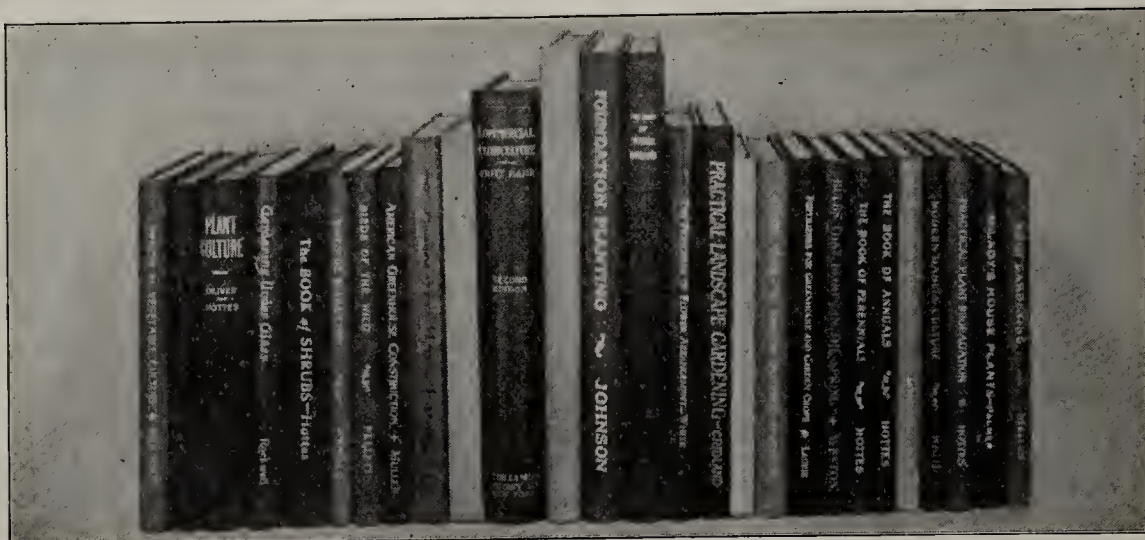
NON-WARRANTY. Most of the failures with seeds, plants and bulbs are due to causes entirely beyond our control, such as unfavorable weather or soil conditions, too deep or too shallow planting, etc., which renders it impossible for us to guarantee success, and although we take all possible care to supply only such goods as will, under proper conditions, produce satisfactory results, we still give no warranty as to description, quality or productiveness of any of the seeds, plants or bulbs we send out, and will not be in any way responsible for the crop, and every order for articles named in this Catalog will be executed on these conditions only. It must, however, be plain to every one who gives the matter the slightest thought that it is to our best interests to send out only such stock as will not only grow, but prove true to name and description.

ST. LOUIS SEED COMPANY

FOR INDEX SEE PAGE 96

Books on Horticultural and Kindred Subjects

ALL BOOKS SENT POSTPAID AT PRICES GIVEN



Agriculture, The Principles of—L. E. Bailey.....	\$2.25	Landscaping, The Complete Home—A. J. Jennings & H. H. Johnson.....	\$2.50
Annuals, The Book of—Alfred C. Hottes.....	1.50	Landscaping the Home Grounds—L. W. Ramsey.....	2.00
Asparagus—F. M. Hexamer.....	1.10	Landscape Gardening, Book of—F. A. Waugh..	2.00
Birds of the Wild—Frank C. Pelliet.....	1.75	Mushroom Growing—B. M. Duggar.....	2.00
Bulbs, The Book of—F. F. Rockwell.....	2.00	Mushroom, How to Grow Them—Wm. Falconer.....	1.50
Bulbs, Spring Flowering—Clark L. Thayer.....	1.25	Mushroom Culture—W. Robinson, W. L. S.....	1.00
Cauliflower and Broccoli—A. G. B. Boquet.....	1.25	Nut Growing—R. J. Morris.....	2.50
Chrysanthemum, The—and its Culture—Edw. A. White.....	2.00	Orcharding Productive—Fred C. Sears.....	3.00
Dahlias—F. F. Rockwell.....	1.00	Pruning, The Principles & Practice of—M. G. Kaines.....	2.50
Evergreens, Hardy—Frank A. Schrepfer, M. S.....	1.25	Peat Moss, Gardening with—F. F. Rockwell.....	1.00
Fertilizers, Handbook of—A. F. Gustafson.....	1.25	Perennials, The Book of—Alfred C. Hottes.....	1.50
Floriculture, Commercial—Fritz Bahr.....	5.50	Plant Propagation, Practical—Alfred C. Hottes..	2.00
Floriculture, Home—Chas. N. Page.....	.50	Roses and Their Culture—S. C. Hubbard.....	1.25
Flower Arrangements, The Principles of—E. A. White.....	3.00	Roses, How to Grow—Pyle-McFarland-Stevens..	2.00
Flower Garden, The Woman's—Jane Leslie Kift.....	1.00	Rock Gardens, American—Steven F. Hamblin..	1.25
Floriculture, Practical—Peter Henderson.....	2.00	Shrubs, The Book of—Alfred C. Hottes.....	3.00
Foundation Planting—Leonard H. Johnson.....	3.50	1001 Garden Questions Answered.....	2.00
Fruit, Harvesting, Storing, Marketing—F. A. Waugh.....	1.75	Rock Gardens, The Home Garden Handbook of—F. F. Rockwell.....	1.00
Fruit—Bush Production—R. A. VanMeter.....	1.25	Lilac Culture—John C. Wister.....	1.25
Garden Guide, The Amateur Gardener's.....	1.00	Lilies, Garden—Isabella Preston.....	1.25
Garden, Everybody's—F. A. Waugh.....	3.50	Shrubs, Hardy—F. A. Waugh.....	1.25
Gardening, City & Suburban—Chesla C. Sherlock.....	2.00	Strawberries, The—Samuel Fraser.....	1.25
Gardening Under Glass—F. F. Rockwell.....	2.50	Sweet Potatoes, Production & Handling—Homer C. Thompson.....	1.25
Gladiolus, The Home Garden Handbook—F. F. Rockwell.....	1.00	Tobacco Leaf, Its Culture & Cure—Killebrew-Mirich.....	3.00
Greenhouse Construction, American—Richard T. Muller.....	1.75	Vegetable & Flowering Plants Under Glass—C. H. Nissley.....	3.00
House Plants, Milady's—F. E. Palmer.....	1.25	Pears, and Its Culture—H. B. Tukey.....	1.25
Iris, The—John Wister.....	1.25	Plant Culture—Oliver & Hottes.....	3.50
Irrigation Farming—Luceus M. Wilcox.....	2.50	Peanut Plant, The—B. W. Jones.....	1.00
Lawn, The—Lawrence S. Dickinson.....	1.25		
Lawns—F. F. Rockwell.....	1.00		

ST. LOUIS SEED COMPANY'S CALENDAR FOR SEED PLANTED IN THE LATITUDE OF ST. LOUIS

JANUARY—Sow in Hotbed—Early Beet, Early Cabbage, Cauliflower, Early Lettuce, Early Onions, Radish.

FEBRUARY—Sow in Hotbed—Early Beet, Broccoli, Early Cabbage, Cauliflower, Celery, Egg Plant, Early Lettuce, Parsley, Pepper, Early Onions, Radish, Tomato.

MARCH—Sow in Hotbed—Early Beet, Early Cabbage, Forcing Carrot, Cauliflower, Celery, Cucumber, Egg Plant, Kohlrabi, Melon, Parsley, Pepper, Onions, Radish, Tomato, Herbs. Sow in Open Ground—Beans, Beets, Cabbage, Cauliflower, Celery, Carrot, Cress, Leek, Lettuce, Onions, Parsnips, Peas, Potatoes, Radish, Spinach, Early Turnip, Onion Sets.

APRIL—Sow in Hotbed—Cucumber, Egg Plant, Melon, Pepper, Tomato. Sow in Open Ground—Asparagus, Beans, Beets, Cabbage, Carrots, Cauliflower, Celery, Sweet Corn, Cress, Endive, Kale, Kohlrabi, Leek, Lettuce, Melons, Onions, Parsley, Parsnips, Peas, Potatoes, Radish, Rhubarb, Salsify, Spinach, Turnips, Sage, Herbs, Onion Sets.

MAY—Sow in Open Ground—English Beans, Pole Beans, Bush Beans, Beets, Brussels Sprouts, Cabbage, Carrot, Celery, Sweet Corn, Cress, Cucumber, Endive, Kale, Kohlrabi, Leek, Lettuce, Melon, Okra, Onion, Parsley, Parsnips, Peas, Potatoes, Pumpkin, Radish, Salsify, Spinach, Squash, Tomato, Turnip, Herbs.

JUNE—Sow in Open Ground—Bush Beans, Lima Beans, Pole Beans, Beet, Carrot, Cabbage, Sweet Corn, Cress, Cucumber, Endive, Kale, Kohlrabi, Lettuce, Melon, Okra, Peas, Potatoes, Pumpkin, Radish, Spinach, Squash, Turnip, Rutabaga.

JULY—Sow in Open Ground—Bush Beans, Beet, Carrot, Sweet Corn, Corn Salad, Cress, Cucumber, Endive, Gherkin, Kale, Kohlrabi, Lettuce, Okra, Pumpkin, Radish, Spinach, Squash, Turnip, Rutabaga.

AUGUST—Sow in Open Ground—Bush Beans, Corn Salad, Cucumber, Endive, Lettuce, Early Peas, Radish, Spinach, Squash, Turnip. Plant—Winter Onions.

SEPTEMBER—Sow in Open Ground—Corn Salad, Cress, Kale, Lettuce, Mustard, Winter Radish, Spinach, Turnip. Plant—Winter Onions. Write for St. L. S. Co.'s Bulb Catalogue.

OCTOBER—Sow in Open Ground—Corn Salad, Cress, Kale, Lettuce, Mustard, Spinach. Plant—Hyacinth, Tulips, Narcissus and other Dutch Bulbs in open ground, pots or glasses.

NOVEMBER—Plant Hyacinth, Tulips, Narcissus and other Dutch Bulbs in open ground, pots or glasses.

ST. LOUIS SEED CO.'S RELIABLE GRASS SEED

ALL OUR LAWN GRASSES ARE RECLEANED AND TESTED FOR HIGHEST QUALITY, PURITY AND GERMINATION

The essentials for a fine lawn are: First, a rich, well drained soil; second, careful preparation of the ground, making it as fine and smooth and mellow as possible; third, a wise selection of seeds; fourth, sowing at such a time as to give the young plants a chance to become well established before being subjected to very dry or cold weather or to the direct rays of the hot summer sun. However, much care is bestowed on the soil and seed, no lawn will be beautiful without frequent mowing and rolling. Too much care cannot be bestowed upon the selection of grasses, as some varieties are the most luxuriant in spring, others in summer, others again in autumn, and a combination of the proper sorts is required for a perfect, carpet-like lawn. It may be planted early in spring or fall and should be sown at the rate of sixty to one hundred pounds per acre. If sown in the spring, sow as early as possible.

One pound Lawn Grass Seed will sow 300 square feet; 75 to 100 pounds to the acre. For renovating old lawns, about half that quantity.

If Grass Seed is wanted by Parcel Post, please add for postage at your zone rate.

ST. LOUIS SEED CO. HAVALAWN GRASS SEED

Havalawn is a mixture of the finest, recleaned grass seed, a well-balanced mixture of Kentucky Blue, Red Top, Bent, Fescue, and White Clover. The best sod and lawn-producing grasses, Havalawn insures a steady succession of growth throughout the season. Price, 1 lb., 25c; 3 lbs., 70c; 10 lbs., \$2.00; 25 lbs., \$4.25; 100 lbs., \$16.00.

St. L. S. Co. Shady Lawn. The mixture is a combination of fine dwarf-growing evergreen varieties of grass, which grow naturally in the woods or in shaded spots. Sow thickly. Price, 1/2 lb., 15c; 1 lb., 25c; 3 lbs., 70c; 10 lbs., \$2.00; 25 lbs., \$4.25.

St. L. S. Co. Terrace Grass. Ordinary lawn grass will not hold the soil on terraces and embankments, which require a thick turf, composed of varieties which make strong roots to take hold of the soil. 1/2 lb., 20c; 1 lb., 35c; 3 lbs., \$1.00; 5 lbs., \$1.50.

Quick Results Mixture. This is intended for back yards, large playgrounds, etc., that are not intended to be kept cut as closely as other front lawns, and where grass is wanted quickly to cover unsightly places. Price, 1 lb., 20c; 3 lbs., 50c; 5 lbs., 75c; 25 lbs., \$3.25; 100 lbs., \$12.00.

Bent, Colonial (Agrostis Tenuis). This grass imported from New Zealand, is identical with Rhode Island Bent. Leaf-blades very narrow and flat; dark green; slightly creeping habit and makes a fine turf for Putting Greens. It succeeds on well drained soils and unlike other grasses it thrives on acid soils. Price, 1/2 lb., 45c; 1 lb., 85c; 3 lbs., \$2.50; 10 lbs., \$8.00; 25 lbs., \$19.50.

Bent, Creeping (Agrostis Species or South German. Mixed Bent). Undoubtedly one of the finest grasses for Putting Greens. The distinctive feature of this species is its compact, creeping rooting stems. It is of rapid growth and spreading habit; the stoloniferous roots form a strong enduring turf which withstands hard usage. Does well on all soils, particularly on light, moist land. Price, 1/2 lb., 50c; 1 lb., 95c; 3 lbs., \$2.75; 10 lbs., \$9.00; 25 lbs., \$22.00.

Bent, Seaside (Agrostis Maritima). This is the variety which was first identified in Oregon. It is a hardy creeping variety forming close mat-like sward and is very desirable for Putting Greens. Does well in moist situations, making a rapid growth of fine texture; blades are almost as narrow as true creeping bent. Price, 1/2 lb., 40c; 1 lb., 75c; 3 lbs., \$2.15; 10 lbs., \$6.50; 25 lbs., \$15.75.

Bermuda (Cynodon Dactylon). A most valuable grass for the Southern course. It is of dwarf habit with long creeping stems, rooting at the joint and covering the ground with a matting of fine turf. It grows on all types of soils but shows a preference for clay and clay loams, and particularly land that is well limed. Price, 1/2 lb., 15c; 1 lb., 30c; 3 lbs., 85c; 10 lbs., \$2.60; 25 lbs., \$6.00.

Clover (White or Dutch). A low, close-growing clover, round, white heads, very fragrant. Very desirable for beautifying the lawn. Price, 1/2 lb., 25c; 1 lb., 50c; 3 lbs., \$1.45; 5 lbs., \$2.25.

Kentucky Blue Grass (Poa Pratensis). Fancy extra recleaned. Kentucky Blue Grass is the most nutritious, hardy and valuable of all northern grasses. Sown with White Clover it forms a splendid lawn; for this purpose use not less than seventy-five pounds of Blue Grass and six pounds of White Clover per acre. Price, 1 lb., 25c; 3 lbs., 70c; 10 lbs., \$2.00; 25 lbs., \$4.25; 100 lbs., \$15.00.

Canadian Blue Grass (Poa Compressa). A very hardy perennial grass with creeping root-stocks. It grows on the poorest and driest soils—sandy, gravelly, or clayey, standing severe wetness or drought. A useful grass on Fairways and Tees. Price, 1 lb., 25c; 3 lbs., 70c; 5 lbs., \$1.00; 25 lbs., \$4.25.

Fescue, Creeping Red (Festuca rubra). This is the true creeping variety which thrives well on poor soils, and is especially adapted for shaded locations. It forms a dense permanent turf which leaves little room for weeds to come through. The blades are narrow, dark green and velvety. Price, 1 lb., 50c; 3 lbs., \$1.45; 10 lbs., \$4.50; 25 lbs., \$10.75.

Fescue, Red (German). A deep rooted species, forming a close and lasting turf of dark green, specially adapted for dry sandy soils. It resists extreme drought and thrives on inferior soils, gravelly banks and exposed hillsides, also in the shade. Price, 1 lb., 35c; 3 lbs., \$1.00; 10 lbs., \$3.00; 25 lbs., \$7.00.

Fescue, Meadow (Festuca Pratensis). This grass is also called English Blue Grass; flat and bright green. Grows to a height of 30 inches when left uncut. For wet soils few grasses are equal to Meadow Fescue. Price, 1 lb., 20c; 3 lbs., 50c; 10 lbs., \$1.50; 25 lbs., \$3.50; 100 lbs., \$12.00.

Poa Trivialis. An ideal grass for shade. A spreading, thickly matting stoloniferous-rooted species; leaf blades narrow, flat and dark green in color. Forms a fine turf and adapted for shady situation on Fairways under trees. Thrives on moist and stiff clay lands. Price, 1 lb., 30c; 3 lbs., 85c; 10 lbs., \$2.75; 25 lbs., \$6.25.

Red Top, Fancy (Agrostis Palustris). Is a perennial grass with a creeping habit of growth, leaf blades narrow. Red Top is a remarkable grass accommodating itself to a variety of soils and conditions. It grows well on wet land. It is strongly drought-resistant and flourishes on soils so very poor in lime that most other grasses fail. A very valuable grass for Fairways especially on land lacking lime. 1 lb., 20c; 3 lbs., 50c; 10 lbs., \$1.50; 25 lbs., \$3.00; 100 lbs., \$9.00.

Rye Grass. Very valuable variety for permanent pasture. Succeeds well on almost any soil, but is particularly adapted to moderately moist lands. Price, 1 lb., 15c; 3 lbs., 40c; 10 lbs., \$1.25; 25 lbs., \$2.50; 100 lbs., \$6.00.

GENERAL LIST OF HIGHEST GRADE VEGETABLE SEEDS

It has always been our endeavor to list only such sorts of vegetable seeds as, from our tests and experience, we have found to be of superior merit. In many instances, we have stricken out varieties that were out of date, but have always listed a superior sort that we could honestly recommend as better for the home garden as well as for the market gardener.

To the market gardener, we know that he is well acquainted with the varieties and the various vegetables that prove the most satisfactory and profitable for his neighborhood. To him we can only say that "Pure and Sure" Seeds of any variety he plants will be the best investment he can make.

Our sources of supply are the very best and our strict tests for germination and vitality assure all who plant "Pure and Sure" Seeds that as far as the seeds are concerned, all that human hands can do to make them the very best has been done.

With this in mind, we are sure you will not hesitate about sending us your order for seeds for the coming spring, and we have no doubt that you will never be disappointed with the results from "Pure and Sure" Seeds.

ARTICHOKE



Seed may be planted during March or April in seed bed arranged so that the young plants can be given protection until danger of frost is past. When large enough to transplant they should be set in rows about 4 feet apart and about 2 feet apart in the row. In localities where winter temperatures are not severe such plants will produce a crop of buds the second year. Where winters are severe they must be mulched with a heavy dressing of leaves or straw to thoroughly protect the crowns.

Note—The seed we offer is of the true Artichoke and should not be confused with the Jerusalem Artichoke.

Green Globe. The plants of medium height with large thistlelike medium deep green foliage. The edible buds or flower heads are deep green, globe shaped or ovoid. The fleshy bud scales are moderately broad and full at base and are regarded as a delicacy. Pkt., 10c; oz., 35c; ¼ lb., \$1.25.

ASPARAGUS

One ounce will sow about 50 feet of drill.

Good beds of this early, delicious vegetable can be easily grown from either seed or roots, both of which can be purchased from us.

When starting the bed from seed it is advisable to soak the seed for 24 hours before planting. This makes germination more rapid and certain. Sow in spring in rows about 18 inches apart allowing 15 to 20 seeds to the foot. Cover 2 inches deep. When plants are well established thin to about an inch apart. Hoe frequently during the summer. The plants will be ready to set in a permanent bed the following spring.

Mary Washington. A strain selected from Martha Washington. It is a little earlier and more vigorous than the original strain. The shoots are slightly ovoid in shape, firm and tender and richly flavored. Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., 90c.

Martha Washington. The shoots of this vigorous and prolific variety are large, deep green tinged with purple at the tips, and are resistant to Asparagus Rust. They are very uniform in size and of excellent, tender quality. Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., 90c.

Palmetto. A reliable, early maturing and prolific variety. It is highly esteemed for its very large, tender, deep green shoots which are produced in abundance. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 65c.

ASPARAGUS ROOTS

(By Parcel Post 5c per Dozen Extra)

CULTURE—When planting roots for the permanent bed the soil should be worked to a depth of 16 or 18 inches and a liberal dressing of stable manure or peat-moss and a good fertilizer applied. Make trenches about 4 inches deep and 6 inches wide and place the roots crown up about 2 feet apart, being careful to spread them in a flat position. Leave the rows at least 4 feet apart. Early in the spring spade in a liberal dressing of manure between the rows and apply about 2 pounds of nitrate of soda or am-



ASPARAGUS CULTURE

A Reliable Book on Planting, Cultivating, Cutting and Use of Asparagus
Price, \$1.10 Postpaid

monium sulphate to 1500 sq. feet. This will make the shoots more rounded and tender.

Asparagus should not be cut until the second year.

Extra Choice Two-Year Roots

Doz. 4 Doz. 1000

Washington (Rust-proof) \$0.25 \$0.90 \$11.00

DWARF BEANS

One pound will plant 100 feet of row; thirty pounds will plant an acre.

At the following prices on Beans, packets up to five pounds are sent prepaid, all larger quantities are shipped at purchaser's expense.

CULTURE—Plant about the first of May in rows, placing the seeds 2 to 3 inches apart in drills about 2½ inches deep. The rows should be about 2½ feet apart, and the soil slightly hilled, to insure good drainage and keep the Beans from touching the ground. Most Beans should be picked when about 4 inches long. Frequent pickings insure a more prolonged bearing season. Avoid jerking the plants, as this frequently disturbs young feeding roots. Use the finger nails to sever the stems. Do not pick when bushes are wet, as this may cause blight and rust. For succession plant every two weeks up to August 1.

GREEN PODDED VARIETIES

Bountiful Stringless. This is the best flat-podded stringless variety. The light green pods are 6½ to 7 inches long, stout, flat, somewhat curved, absolutely stringless, very slightly fibrous, attractive and of very fine quality. It is very early, maturing 48 days. Pkt., 5c; ½ lb., 20c; 1 lb., 35c; 5 lbs., \$1.25.

Full Measure. This excellent variety is well adapted to home garden use and is rapidly becoming one of the most popular of the round podded green beans. Intermediate early, 53 days. Pods are medium green round, fleshy, fine grained and strictly stringless. They are normally 6½ inches long and usually curved. Pkt., 5c; ½ lb., 20c; 1 lb., 35c; 5 lbs., \$1.25.

Black Valentine. A popular variety for the gardener, being ready to pick in 45 days. It produces large pods, about 6 inches long, slender round and nearly straight, quite stringy and fibrous, though fine grained and medium green in color. Pkt., 5c; ½ lb., 20c; 1 lb., 30c; 5 lbs., \$1.10.

Giant Stringless Green Pod. An exceedingly productive and very handsome sort. The pods are large and nearly round, and of medium green

color. They mature a few days later than those of Stringless Green Pod. Pkt., 5c; ½ lb., 20c; 1 lb., 30c; 5 lbs., \$1.10.

Longfellow. Remarkably early and has excellent flavor; its delicacy remains almost intact when prepared for the table. The pods are about six and one-half inches long. Beans are small, mottled dark red. Pkt., 5c; ½ lb., 20c; 1 lb., 30c; 5 lbs., \$1.10.

Mammoth Stringless Green Pod. (Tendergreen) A very high quality green-podded sort, producing large pods, some of which measure 6 inches in length, of the finest quality. It is productive, bearing pods which are perfectly round, very fleshy and entirely stringless. Pkt., 5c; ½ lb., 20c; 1 lb., 35c; 5 lbs., \$1.25.

Stringless Refugee. 60 days. Splendid canning variety; young pods particularly valuable for canning and pickling whole. Plant large; very hardy; extremely productive. Pods medium green; very uniform, 5 to 5½ inches long, ¾ inch thick, round; absolutely stringless, very fleshy, brittle and fine grained. Seeds dark violet-purple splashed with buff. Pkt., 5c; ½ lb., 20c; 1 lb., 35c; 5 lbs., \$1.25.

Stringless Green Pod. A very desirable dwarf green podded snap sort for the home garden and largely grown for the market. The pods are medium green, five to six inches long, cylindrical, larger than those of Red Valentine, but are quite as fleshy, of equally high quality and remain crisp and tender longer. They mature in 52 days. Pkt., 5c; ½ lb., 20c; 1 lb., 30c; 5 lbs., \$1.10.

Valentine, Improved Early Round Pod. One of the best extra early for home use or market. Extra early and is usually ready for harvesting from 40 to 45 days after planting. Vines strong and vigorous; pods green, medium length, curved with creases in the back, very fleshy, crisp and tender. Pkt., 5c; ½ lb., 20c; 1 lb., 30c; 5 lbs., \$1.10.

White Navy. (Shell Bean). The famous little white soup bean that needs no further introduction. Very prolific and a sure cropper. Pkt., 5c; ½ lb., 20c; 1 lb., 30c; 5 lbs., \$1.00.

PRICE ON BEANS—Delivery Charges Extra

	10 lbs.	25 lbs.	100 lbs.
Mammoth Stringless	\$1.70	\$3.50	\$13.00
Bountiful	1.60	3.25	12.00
Full Measure	1.60	3.25	12.00
Black Valentine	1.60	3.25	12.00
Giant Stringless	1.50	3.00	11.00
Longfellow	1.50	3.00	11.00
Stringless Green Pod	1.60	3.25	12.00
Stringless Refugee	1.70	3.50	13.00
Red Valentine Improved	1.60	3.25	12.00
White Navy	1.40	2.75	10.00



WAX-PODDED BUSH BEANS



St. L. S. Co.'s White Wax. This round-podded Dwarf Wax Bean has attained the top notch among Beans of this class. It produces no culls, the pods average five to six inches in length, a round-podded, wax variety; they are very solid, meaty and tender, free from string. Maturing 49 days. Pkt., 5c; ½ lb., 20c; 1 lb., 30c; 5 lbs., \$1.15.

Golden Wax. The many excellent qualities of this variety have made it a standby for fifty years. It is early, reaching table condition in 49 days. Vigorous and highly productive. Pods deep golden yellow, about 5 inches long, usually straight, broad oval in shape. Stringless, tender and of fine quality. Pkt., 5c; ½ lb., 20c; 1 lb., 30c; 5 lbs. \$1.15.

Pencil Pod Wax. A superior variety of the round podded black seeded class. Medium early bearing in 52 days. The attractive golden yellow pods are curved, fleshy, stringless and brittle. They are tender and of excellent quality. Pkt., 5c; ½ lb., 20c; lb., 30c; 5 lbs., \$1.15.

WAX POD—POLE

Golden Cluster Wax. A well known and dependable wax podded pole bean possessed of a long bearing period. It is medium early, 68 days. The strong-growing vines bear a good crop of pods which are large and flat, about 7½ inches long and of a clear waxy yellow color. This is most suitable for snap use but is widely used for green-shell. Pkt., 5c; ½ lb., 20c; 1 lb., 30c; 5 lbs., \$1.15.

PRICE ON BEANS—Delivery Charges Extra

	Express Collect		
	10 lbs.	25 lbs.	100 lbs.
St. L. S. Co.'s White Wax	\$1.80	\$3.75	\$14.00
Golden Wax.....	1.60	3.25	12.00
Pencil Pod Wax.....	1.60	3.25	12.00
Golden Cluster (Pole)....	1.90	4.00	15.00

POLE BEANS—GREEN PODDED SORTS

Use one pound of seed for 100 hills; 30 pounds will plant an acre.

CULTURE—Pole beans are more sensitive to cold than the bush kinds, and should not be planted before the ground is warm—in this latitude, after May 1st. Set poles 6 to 8 feet long, 3 to 4 feet apart, in 4-foot rows and plant five or six beans 2 inches deep around each pole.

St. L. S. Co.'s White Cornfield. An early maturing, green podded, white seeded pole sort, desirable for snaps and unsurpassed in its class as green shell beans. The vines are vigorous and very productive. The pods are round, very long, often eight to nine inches, irregular in shape and quite stringless. Seed medium long, oval or well rounded, solid white. Pkt., 5c; ½ lb., 20c; 1 lb., 35c; 5 lbs., \$1.25.

Kentucky Wonder. Also known as Old Homestead. We believe this variety is the most practically useful of the green podded pole beans suitable for use as snaps. It is an early, very prolific sort, with showy pods which are of most excellent quality. The pods are medium light green, very long, often reaching nine or ten inches curved, nearly round and very crisp when young. One of the very best early pole snap beans for the home garden or market. The quality of our stock is unsurpassed. Pkt., 5c; ½ lb., 20c; 1 lb., 30c; 5 lbs., \$1.10.

Lazy Wife. The pods are of a medium dark green color and grow from 5 to 7 inches in length. They are broad, thick and very fleshy. Pkt., 5c; ½ lb., 20c; 1 lb., 35c; 5 lbs., \$1.25.

PRICE ON BEANS—Delivering Charges Extra

	10 lbs.	25 lbs.	100 lbs.
St. L. S. Co.'s White Cornfield....	\$2.00	\$4.25	\$16.00
Kentucky Wonder.....	1.60	3.25	12.00
Lazy Wife.....	1.90	4.00	.....



St. L. S. Co.'s White Cornfield

BUSH LIMA BEANS

One pound will plant about 100 hills, or 100 feet of row; 60 pounds will plant an acre.

A rich, light soil is best. Sow the seed after the ground is dry, danger of frost is over, and the nights are warm (about May 1 in the latitude of Mo.). Make the rows 3 feet apart, dropping the Beans so the plants will stand 4 to 6 inches apart in the row, and cover with less than one inch of soil. Bush Limas may also be planted in hills 3 feet apart one way and 2 feet the other, using 4 to 6 Beans to the hill. The plants should be cultivated often.

Kramer's Bush Lima. This excellent new variety is of special value because it matures early. Pods are 4½ in. long and 1⅛ in. wide, each containing four fair-sized beans of splendid quality. The earlier pods are set quite close to the ground, and clusters of 6 to 8 pods are usual. Plants are of upright habit, producing pods with the greatest abundance well to the tips of the flower-spikes. Pkt., 5c; ½ lb., 25c; 1 lb., 40c; 5 lbs., \$1.70.

Burpee's Bush Lima. A true bush form, growing 18 to 20 inches high. An immense yielding variety, each bush being laden down with large Limas. Pkt., 5c; ½ lb., 20c; 1 lb., 30c; 5 lbs., \$1.25.

Henderson's Bush Lima. A famous variety, grows in compact bush form and produces enormous yields of delicious Lima Beans. Pkt., 5c; ½ lb., 20c; 1 lb., 30c; 5 lbs., \$1.10.

Improved Bush Lima. Similar to the Burpee's Bush Lima, except in size it is smaller. Pkt., 5c; ½ lb., 20c; 1 lb., 30c; 5 lbs., \$1.10.

Broad Windsor. An old-fashioned English shell bean. Dry beans very large and yellowish green. Pkt., 5c; ½ lb., 25c; 1 lb., 45c.



Improved Bush Lima

	PRICE ON BEANS—Delivery Charges Extra		
	10 lbs.	25 lbs.	100 lbs.
Burpee's Bush Lima.....	\$2.00	\$4.25	\$16.00
Improved Bush Lima.....	1.70	3.75	14.00
Henderson's Bush Lima..	1.60	3.50	13.00

POLE LIMA BEANS

One pound will plant 100 hills; 30 pounds will plant an acre.



King of the Garden

CULTURE—A warm, sandy loam, enriched with well-rotted stable or sheep manure is best. It must not be sown until the ground is warm and dry. When poles are used for support they should be set not less than 4 feet apart each way. Plant 4 to 6 beans to a pole, 2 inches deep.

St. L. S. Co.'s Genuine Butter. These beans have a creamy-white color, in large pods and are far more delicious than the ordinary Lima Bean. The vigorous vines with plenty of pods will supply you with the most delicious Butter Beans. Pkt., 5c; ½ lb., 25c; 1 lb., 40c; 5 lbs., \$1.70.

King of the Garden. The true "King" of the Limas. Stronger and more productive than any of the large White Limas and is the favorite of the market gardeners on account of its long, well-filled pods. Pkt., 5c; ½ lb., 20c; 1 lb., 30c; 5 lbs., \$1.25.

Small White Lima. (or SIEVA). A very reliable, heavy yielding, early variety, especially well adapted for culture in the South. The earliest of the pole Limas, bearing green-shell beans in 78 days. It is the most prolific of the pole Limas but is smaller seeded than other varieties. Pkt., 5c; ½ lb., 20c; 1 lb., 30c; 5 lbs., \$1.25.

	PRICE ON BEANS—Delivery Charges Extra		
	10 lbs.	25 lbs.	100 lbs.
St. L. S. Co.'s Genuine Butter.....	\$2.50	\$5.75	\$23.00
King of the Garden.....	2.00	4.25	16.00
Small White Lima.....	2.00	4.25	16.00

BEETS

Seed should be sown at the rate of one ounce to 100 feet of row; 5 to 6 lbs. to acre. The rows should be spaced 16 to 18 inches apart. Work the soil well and cover the seeds about an inch deep. A rich sandy loam is most favorable but nearly all types of soil will produce beets if sufficiently fertilized and properly tilled.

When the seedlings are about an inch tall it is well to thin them to about one-half inch apart. Then they can be allowed to grow 5 or 6 inches when the alternate plants in the row may be pulled and used for greens. This practice can be repeated as often as the roots touch in the rows or until they reach good table size. Beets are usually most tender and succulent when about 2 inches in diameter.

By planting at intervals of two to three weeks until July, a regular supply of greens and beets may be had until late fall. The roots from the later plantings may be stored and kept for winter use.

Early Table (New). This is the most refined, distinct and uniform Beet. The roots are very smooth, even in size and shape, which is almost perfectly globular. The tap root is slender and the root pinches closely at the base of the tap root, giving the entire bulb a very neat and clean appearance. The skin is smooth and very dark red. The interior color is a fine deep crimson vermilion. Fine for market garden, also canning and pickling beet. Pkt., 10c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.15; 5 lbs., \$5.25.

Early Wonder (Selected). This is the earliest and most perfect shaped Beet for bunching purposes. Its beautiful deep blood-red, nearly globular shaped root, small-sized top and small clean tap-root maturing in 60 days. The attractive appearance, uniformity of size, shape and color, and excellent keeping qualities have created a very heavy demand for this variety; valuable for market garden. Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., 75c; 5 lbs., \$3.50.

Crosby's Egyptian (Selected). The roots are flattened globe shaped and very smooth, maturing in 65 days. The exterior color of the root is bright red. The flesh of our strain is bright vermilion-red. This is one of the best for early planting outdoors and is much used for bunching. It is the favorite of the market gardeners. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 65c; 5 lbs., \$3.00.



Boston Crosby

Extra Early Egyptian. This is the best variety for forcing. It is also excellent for first early crop outdoors, being very early, with small tops maturing in 55 days. The leaves are dark green, shaded and veined with dark red. The roots are very dark red, distinctly flat on the bottom. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 65c; 5 lbs., \$3.00.

Boston Crosby. An exceptionally good selection from Crosby's Egyptian, being more "globy"; with a smaller top and tap root, maturing in 63 days. Roots are remarkably uniform, very dark red, flesh deep purplish red with little tendency to zoning. One of the most popular and handsome of the early beets. Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., 75c; 5 lbs., \$3.50.

Detroit Dark Red (Selected). We believe this is the best beet for the market and home garden, and on account of its uniformly deep rich color the most desirable for canning. The tops are small and upright in growth. The leaves are dark. The roots are medium sized, globular or nearly round, very smooth and of dark blood-red color, maturing in 65 days. Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., 75c; 5 lbs., \$3.50.

Edmand's Blood Turnip. A desirable second early market beet, suitable also for the home garden. Roots nearly round; color dark red; crisp, tender, sweet and an excellent keeper. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 65c.

Half Long Dark Blood. A standard late variety of very good quality which keeps well through the winter. The roots are smooth, rather slender. Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., 75c.



Early Table (New)



Chard, Large Ribbed

The Mangel Wurzel, also called Mangel, Cattle Beet and Field Beet. Deep loams are necessary for heavy yields. Plant early in spring in drills two to two and one-half feet apart, and about one inch apart in the row.

Golden Tankard. The tops are comparatively small, with the leaf stalks and veins distinctly tinged with yellow. The roots are large. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; 1 lb., 50c.

Giant Half Sugar Mangel. Desirable for stock feeding. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; 1 lb., 50c.

Improved Mammoth Long Red. The roots are very large, uniformly straight and well formed. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; 1 lb., 50c.

BORAGE

Borage. A hardy annual used as a pot herb and for bee pasturage. The bruised leaves immersed in water give it an agreeable flavor and are sometimes used in salads to give a cucumber-like taste. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 35c; 1 lb., \$1.00.



Broccoli Calabrese

BEET, SPINACH OR SWISS CHARD

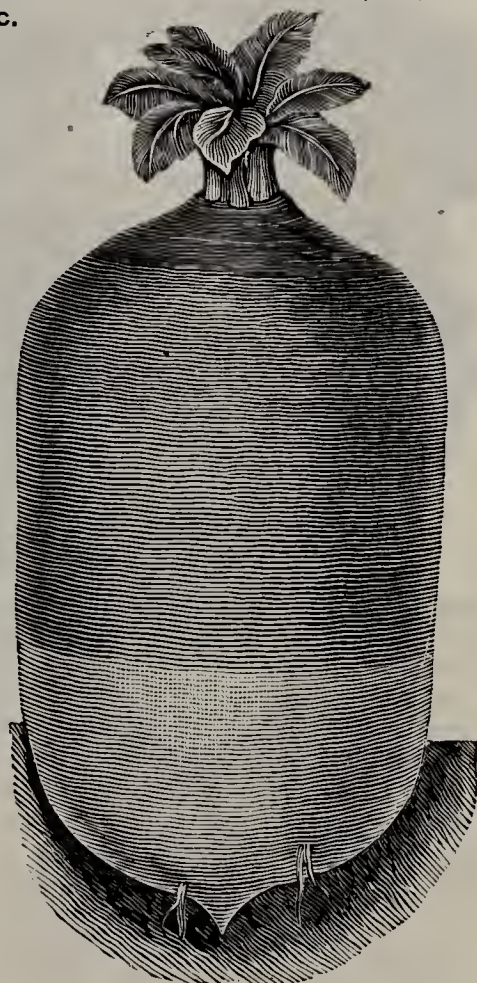
CULTURE—Same as for beets; transplant 12 inches apart in rows 18 inches apart. Sow seeds in the Spring, as for common beets. Grown for its leaves only; one of the best early green.

Large Ribbed White (Silver Leaf). The leaves are broad, somewhat waved but smooth and are of a medium light yellowish green color. The stalks are broad and flattened, but tender and succulent, and are a good substitute for asparagus. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; 1 lb., 75c.

Lucullus. A delicious variety having pale green leaves which are remarkably crimped and curled, like savoy cabbage. The stiff ribbed chards are white and broad. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; 1 lb., 75c.

*Plant a Thrift
Garden This
Spring*

BEET OR MANGEL WURZEL



Mangel Beet

BROCCOLI

Closely allied to the Cauliflower. It is generally considered rather more hardy. In growing Broccoli, sow seed in frames early in Spring, culture same as cauliflower.

Green Sprouting Calabrese. This is a distinct variety grown by Italian market-gardeners for Italian trade only. The plants form a large solid head which remains green. After this head is cut out, a number of sprouts develop from the leaf-axes, each sprout terminating in a small head about one inch in diameter. Bunched and sold as a second crop. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 40c; $\frac{1}{4}$ lb., \$1.25; 1 lb., \$4.50.

BRUSSELS SPROUTS

Brussels Sprouts are highly esteemed for boiling during the late fall and winter months. The sprouts resemble miniature cabbages, growing closely on the stalk of the plant, and are produced in abundance from tip to ground level. Seeds should be sown in drills early in June. When the young plants are 6 inches tall, they should be transplanted to rich soil, setting them in rows 3 feet apart.

Roseberry. The choicest variety obtainable and highly valued on account of its strong, robust growth and remarkable juicy, tender heads. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 65c; 1 lb., \$2.25.

CABBAGE

One ounce will produce about 2,000 plants; $\frac{1}{4}$ pound seed in beds will produce plants for 1 acre

CULTURE—Sow the early kinds in hotbeds in February and March, and in the open ground in April and May. The late varieties for fall and winter use sow in May, and transplant from the 8th to the 25th of July. Plant the early sorts 20 inches distant in a row and 2 feet between the rows; the later sorts $2\frac{1}{2}$ feet each way. To be well-grown, Cabbages require a deep, rich loamy soil. Our Cabbage seed is especially grown for us, and we offer it as being of superior quality.



Copenhagen Market

EARLY VARIETIES

Golden Acre. A very fine new sort from Denmark. It is very uniform, almost every head could be cut at the same time. Golden acre matures quicker than any variety known. The head is of medium size, quite round, and is surrounded by a few small outer leaves. Pkt., 5c; $\frac{1}{2}$ oz., 20c; 1 oz., 35c; $\frac{1}{4}$ lb., \$1.00; 1 lb., \$3.50.

Early Jersey Wakefield. Many market gardeners consider this the very best early variety. Grown extensively for market and shipping. Pyramidal in shape having a blunted or rounded peak. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 65c; 1 lb., \$2.00.

Charleston or Large Wakefield. The exceeding hardiness and size of this first early variety have made it very popular. It is especially recommended for succession to follow Jersey Wakefield. Matures in about 72 days after transplanting. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 65c; 1 lb., \$2.00.

Copenhagen Market. This is without doubt the best early round-headed cabbage and that its wonderful merits are appreciated is demonstrated by the large plantings made of this variety. The type is thoroughly fixed and the heads maturing at the same time, which makes it so popular and the great favorite of the market gardener. Pkt., 5c; $\frac{1}{2}$ oz., 15c; oz., 25c; $\frac{1}{4}$ lb., 75c; 1 lb., \$2.50.

Early Dwarf Flat Dutch. A second early variety extensively grown in home gardens. It matures 72 days after transplanting. The plant is small and compact and bears excellent heads of full, but flattened shape. Pkt., 5c; 1 oz., 20c; $\frac{1}{4}$ lb., 65c; 1 lb., \$2.00.

All Season or Surehead. The name best describes this variety as it is sure-headed of the flat Dutch type of heads and a first class main crop. The heads are very large, extremely hard and

solid. This certainly is the great all-the-year-round cabbage. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 65c; 1 lb., \$2.00.

LATE VARIETIES

Improved Brunswick. Ours is the true short stem type. Good for early and late crops, and attains an extraordinarily large size. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 65c; 1 lb., \$2.00.

Superior Late Flat Dutch. We recommend this sort for markets that require a very large and deep head. The plants are large, fairly compact but distinctly vigorous with medium length stem and large outer leaves. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 65c; 1 lb., \$2.00.

American King. Mammoth solid heads, weighing from 8 to 12 pounds. Its chief points of merit are its absolute reliability of a sure crop, its uniformly large size of head, its great drought and worm-resisting qualities. A distinct feature of our American King is the small number and small size of the ribs. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 65c; 1 lb., \$2.00.

St. Louis Late Market. The plants are exceptionally vigorous, with very large, broad, spreading outer leaves which are moderately smooth or very slightly waved and slightly blistered. This is considered by many as the standard, very large late cabbage for home garden and market. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 65c; 1 lb., \$2.00.

Hollander or Danish Ball Head. Very hardy, sure heading, very solid, of good quality and is one of the very best keepers. The heads are medium sized, round, exceptionally solid and stand shipment better than any other late sort. Pkt., 5c; oz., 25c; $\frac{1}{4}$ lb., 75c; 1 lb., \$2.50.

Marion Market (Yellow Resistant) This was originally bred up from Copenhagen Market, but differs from the latter in several respects. It takes about 20 days longer to mature. The heads are practically round, very hardy and stand shipment well. The quality throughout is excellent, and a favorite for early Kraut. It is very highly resistant to the Yellows. Pkt., 5c; 1 oz., 25c; $\frac{1}{4}$ lb., 75c; 1 lb., \$2.50.

RED CABBAGE

Early Red Erfurt. This is a favorite variety with those who like Red Cabbage. The heads grow medium size and are practically ball-shaped. Pkt., 5c; $\frac{1}{2}$ oz., 20c; oz., 35c.

Mammoth Rock Red. The largest and surest heading red cabbage. The plants are large and vigorous. Pkt., 5c; $\frac{1}{2}$ oz., 20c; oz., 35c.

SAVOY OR CURLED CABBAGE

Early Dwarf Ulm Savoy. A very early and superior dwarf variety of fine quality. Pkt., 5c; $\frac{1}{2}$ oz., 20c; oz., 35c.

Perfection Late Savoy. The best of the main crop and late Savoys for home use or market. Pkt., 5c; $\frac{1}{2}$ oz., 20c; oz., 55c.

ST. L. S. CO.'S SELECTED CAULIFLOWER

One ounce of seed will produce from 3,000 to 4,000 plants.

Cauliflower, although one of the most delicious vegetables, is but little grown except by professional gardeners because of the erroneous notion that it is so difficult to grow that only skilled gardeners can produce it. Any one will be reasonably sure of success with this most desirable vegetable if the cultural directions given below are carefully followed.

For spring and early summer crop, sow in February or early in March in hotbed. If soil is not too wet, seed should be thoroughly pressed into the ground after sowing. This insures quick germination. Cover seed with one-half inch of fine soil firmly pressed down. Transplant to cold frame when sufficiently large to handle. As soon as danger of hard freezing is over set in the open ground in rows two and one-half to three feet apart and eighteen inches apart in row. The plants will endure a slight frost. The soil for cauliflower should be like that for cabbage, but it is better if made richer than is ordinarily used for that crop.

St. Louis Seed Co. Super Snowball. This Snowball is healthier and more vigorous than any of the old stocks. The head is perfectly protected by leaves until it reaches a size of five inches in diameter, when only it needs to be tied up; and then, if growing conditions be favorable, the head will attain marketable size in a few days' time. If left standing the head will soon attain a size of ten inches across. Pkt., 10c; $\frac{1}{4}$ oz., 65c; 1 oz., \$2.00; 4 oz., \$7.00.

St. L. S. Co.'s Early Perfection Erfurt Forcing. In this we have a strain that comprises all the fine points in Cauliflower. It is gorgeous beyond description, snowlike in color and its growth of the compact form that will delight the grower. For an early forcing variety it cannot be equalled and it is worthy of a trial. Pkt., 10c; $\frac{1}{4}$ oz., 65c; 1 oz., \$2.00.



St. Louis Seed Co. Super Snowball

Extra Early Dwarf Erfurt. Extra select. It is of dwarf habit with short outside leaves and is similar in most respects to Early Snowball and nearly as early. The curd is white, exceptionally deep and of finest quality. It will give excellent results either in the home garden or for market use. Pkt., 10c; $\frac{1}{4}$ oz., 50c; 1 oz., \$1.50; $\frac{1}{4}$ lb., \$5.00.

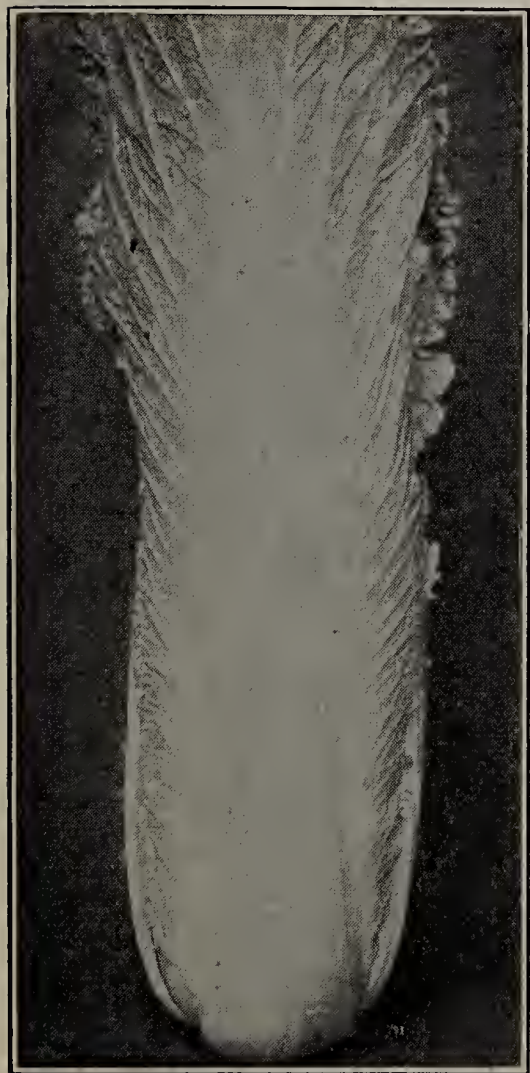
Early Snowball. It is admirably adapted for forcing or wintering over for early crop and is the most popular sort for these purposes, also one of the best sorts for late summer and fall crop. The plants are compact, with few short, outside leaves and are well suited for close planting. The heads are of medium to large size, solid, compact, round, very white. Pkt., 10c; $\frac{1}{4}$ oz., 50c; 1 oz., \$1.50; $\frac{1}{4}$ lb., \$5.00.

CHINESE CABBAGE

This is not a true cabbage and is often called Celery Cabbage on account of the shape of the heads which resemble celery. The leaves are more like those of turnip in color and texture. The flavor is distinct and in the raw state is considered superior to cabbage. It combines the qualities of both celery and cabbage and is highly prized as a salad vegetable. Plant seed out of doors at the same time as turnip. Thin to 12 to 16 inches apart in the rows. If planted too early this species will "bolt" during hot weather and fail to form heads.

Wong Bok. A comparatively short type with blocky, pear shaped head. The foliage is medium light yellowish green and the plants are compact and leafy. Heads are 8 to 10 inches tall, tightly folded and are rich creamy white in color. This tender, succulent variety possesses a rich, appetizing flavor. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 65c; 1 lb., \$2.00.

Chihli. This is a sure heading, vigorous growing variety with erect dark green, roughened leaves which enclose a cylindrical pointed head 18 to 20 inches long. The heads are very compact and are white with a delicate tint of green. A very satisfactory variety for home garden and commercial growing. Pkt., 5c; 1 oz., 20c; $\frac{1}{4}$ lb., 65c; 1 lb., \$2.00.



Chinese Cabbage

CARDOON

This is related to the Globe Artichoke but is grown for the leaf stems. When served like asparagus these form a very palatable dish. The stalks require blanching and are raised very much like celery. The rows should be about 4 feet apart and plants 2 feet apart in the rows. A rich soil is necessary in the production of a good crop. The vegetable is ready for use in late fall or winter.

Large Smooth. A tender and richly flavored variety which blanches easily and makes an attractive appearance. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 50c; 1 lb., \$1.75.



Chantenay Early Half Long

CARROT

One ounce will sow 100 feet of drill

CULTURE—April is the time to sow for early use. Sow seeds in drills twelve to fifteen inches apart, and thin out from three to four inches in drill, covering seed about one-half inch. For general crop sow in May, same distance apart as above but cover seed a little deeper as sun is stronger. Perfect specimens require a fine pulverized, deep soil.

Carrots are not appreciated as they should be. Their table qualities are excellent, and as a food for stock they are surpassed by a few root crops. They are especially valuable when fed to dairy cows, producing an increased flow of rich milk and imparting a beautiful golden yellow to the butter. We urge a more general use of the Carrot among our customers. Like other root crops, it flourishes best in a well-enriched sandy soil deeply tilled, and if plowed the fall before, so much the better.

Guerande or Ox Heart. Especially desirable for soil so hard and stiff that longer rooted sorts would not thrive in it. The tops are comparatively small. The mature roots are four and one-half to five inches long, very thick, ending abruptly in a small tap root. The flesh is bright orange, fine grained and sweet. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 35c; 1 lb., 90c.

Chantenay Early Half-Long Scarlet. Extra fine. This extensively used, half-long early variety has small tops and is excellent for the market or home garden. The roots are cylindrical, smooth and of a bright orange color. This variety is of the finest quality and is one of the most symmetrical and handsome of the medium sized sorts. The mature roots are usually five to six inches long. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 35c; 1 lb., \$1.00.

Chantenay Red Cored. The deep orange-red color and smooth symmetrical shape are combined with just the right size to make it appetizing. Its beauty is not merely skin deep; it goes clear through to the very center and the interior is even more tempting than the outside. The yellow ring which is usually found around the core of carrots has been bred out of Red Cored Chantenay and in the breeding a sweeter, richer flavor has been acquired. This flavor alone is enough to establish its superiority. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 35c; 1 lb., \$1.00.

Danver's Half-Long. (Selected). For a general crop Danver's Half-Long Carrot stands supreme; a half-long orange carrot, grown largely on account of its great productiveness and adaptability to all classes of soil. It is a desirable second early carrot for the home garden and is also suitable for field culture. The tops are of medium size. The mature roots are of medium length, six to eight inches long, tapering uniformly to a blunt point. The flesh is deep orange, tender and of good quality. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 35c; 1 lb., \$1.00.

Improved Rubican Stump-Rooted. It is a truly magnificent carrot of a rich orange shade and a most excellent flavor. As a carrot of all uses, it stands alone on account of its extreme sweetness and its enormous yielding properties. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 35c; 1 lb., \$1.00.

Frankfurt Stump-Rooted. A variety unsurpassed for quality and extensively used in the home garden. The roots are cylindrical, stumped, smooth, 6 inches long and most symmetrical. They are coreless and bright orange in color. Their fine grained, tender, brittle and sweet flavored quality has gained for them lasting popularity. We recommend this variety for home use. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 35c; 1 lb., \$1.00

St. Valery. The roots of the improved strain of this variety we offer are very deep orange, long and comparatively thick, often twelve inches in length and three inches in diameter at the crown, tapering regularly to a point. The tops are rather large. This intermediate to late maturing sort is suitable for table use as well as stock feeding. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; 1 lb., 75c.

CELERY

One ounce will produce about 3,000 plants

A row of celery in the home garden will supply a family with a delicious vegetable until late in the fall. Its hardy qualities and adaptability to various soils and weather conditions make it a very desirable crop to grow.

CULTURE—The proper time to sow is early in April, transplanting about the first of June. Set in rows 3 feet apart, and about 8 inches between plants in the row.

Florida Golden. This variety has most of the characteristics of Golden Plume, but has greater height and weight of plant, and the edible portion of the stem is larger. It grows about 20 inches high. The length of the edible stem is from 7 to 8 inches. This is slightly darker than Golden Plume and the stems are broad, thick and solid and full hearted and very compact. It blanches to a cream color. Pkt., 10c; ½ oz., 35c; 1 oz., 60c; ¼ lb., \$2.00 1 lb., \$7.50.

Golden Detroit. This is a pure selection of the Dwarf Golden Self-blanching type. The handsome plants are heavy, very compact, stems are broad, and very thick. It grows about 18 inches high and the edible portion is 6 to 7 inches long. The leaves are a clean bright green, and the stems blanch easily to a fine deep yellow. Pkt., 10c; ½ oz., 35c; 1 oz., 60c; ¼ lb., \$2.00; 1 lb., \$7.50.

Golden Plume. This new strain of Celery closely resembles the old Golden Self-blanching in crispness and flavor, but is distinctly larger and ranker in growth, more plainly ribbed, blanches more quickly, matures rather earlier and shows less tendency to blight or crown-rot. It shows the large full-plumed center so much desired. Pkt., 10c; ½ oz., 30c; 1 oz., 50c; ¼ lb., \$1.75; 1 lb., \$6.00.

White Plume. A handsome sort that matures very early. The plants are of vigorous growth while the stalks become large and very finely flavored. They blanch easily and quickly to a pure white. Their crisp, tender and uniform features make this variety very attractive. Pkt., 5c; 1 oz., 25c; ¼ lb., 75c; 1 lb., \$2.75.



Golden Detroit

Curled Celery. This variety is a great favorite of the gardeners for cuttings and bunching. Its use for flavoring has made it very valuable and should be grown on that account. For use in soups, etc., it is unexcelled. Pkt., 5c; oz., 20c; ¼ lb., 60c; 1 lb., \$2.00.

CELERIAC (Turnip Rooted Celery)

In this kind of celery, the roots and not the leaf-stalks have been developed by cultivation. The roots, which are the edible portion, keep well for winter use and are excellent for flavoring soups and salads or boiled like turnips and parsnips.

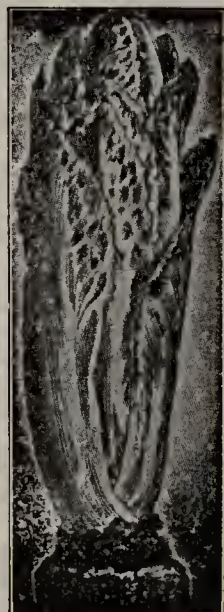
Giant Prague. An improved variety of turnip-rooted celery producing large tubers of nearly globular shape and comparatively smooth surface. Pkt., 5c; oz., 20c; ¼ lb., 60c; 1 lb., \$2.00.

CHICORY

Witloof Chicory. In order to grow good "Witloof" the seed should be sown during April in the open ground, in drills 10 to 12 inches apart, in deep, rich soil. Allow the plants to grow until November, then take up the roots and trim off the leaves up to about 1½ inches from the neck. Then plant in a trench 8 to 12 inches deep, placing the roots upright, about 1½ inches apart.

Witloof. Is eaten raw or as a salad and is also sometimes cooked like ordinary Endive. This is the best variety of Chicory. Pkt., 5c; oz., 15c; ¼ lb., 45c; 1 lb., \$1.50.

Large Rooted. The finest flavored and hardiest growing variety. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.25.



Witloof Chicory



Florida Golden



Corn Salad

CORN, SWEET OR SUGAR

One pound of seed will plant about 100 hills; 20 to 25 pounds, an acre in hills.

A rich, warm soil is the best, but excellent sweet corn can be raised on any good, ordinary soil, if it is deeply and thoroughly worked before planting. If planted in hills, make the hills for the early varieties three feet apart each way and plant four to six kernels to the hill. For the later sorts the hills should be three and one-half to four feet apart each way. Hoe frequently and when six inches high thin so as to leave three or four plants in the hill. Give frequent and thorough but shallow cultivation until the tassels appear.

Golden Bantam. All yellow corns are not Golden Bantam nor do they all possess the many superior qualities of that variety. True Golden Bantam is early, being ready for the table in 78 to 80 days from date of planting. The ear has eight straight rows of broad meaty kernels which are a rich creamy golden yellow in color. Pkt., 5c; 1/2 lb., 15c; 1 lb., 25c; 5 lbs., \$1.00.

Bantam Evergreen. A Yellow Sweet Corn noted for its excellent qualities; much larger than Golden Bantam and claimed to be more productive. The ears average 8 inches long and are 12-rowed, the grain is rather broad and deep and of a rich golden-yellow color, maturing in 85 days. Pkt., 5c; 1/2 lb., 15c; 1 lb., 25c; 5 lbs., \$1.00.

Early Table. A flinty grain which enables it to be planted very early in cold ground. Height 4 to 4 1/2 feet, producing ears within one foot of the ground, maturing in 65 days. Pkt., 5c; 1/2 lb., 15c; 1 lb., 25c; 5 lbs., \$1.00.

Black Mexican. This is one of the richest flavored and tenderest of sweet corns. The ears are 8 rowed, 8 to 9 inches long and are ready for the table in 88 days. Pkt., 5c; 1/2 lb., 15c; 1 lb., 25c; 5 lbs., \$1.00.

Vanguard. Days to maturity, 65-70. Vanguard is the most profitable early Sweet Corn under cultivation. It is the earliest large-eared Sweet Corn we know of, and it has excellent table quality. Comparative tests have proved it to be at least seven days earlier than Howling Mob. Pkt., 5c; 1/2 lb., 20c; 1 lb., 30c; 5 lbs., \$1.25.

GENERAL CROP AND LATE

Howling Mob. The stalks are usually about 5 feet in height and produce early in the season two splendid ears to a stalk. The ears are seven to nine inches in length and are well covered with a heavy husk, maturing in 80 days. Pkt., 5c; 1/2 lb., 15c; 1 lb., 25c; 5 lbs., \$1.00.

Stowell's Evergreen. The standard main crop variety, much used for the home garden, market and canning. The ears about ten to twelve inches long, fourteen to twenty rowed, with very white grain, maturing in 95 to 100 days. Pkt., 5c; 1/2 lb., 15c; 1 lb., 25c; 5 lbs., \$1.00.

Country Gentleman. A distinct and outstanding late variety. The ears are 8 to 9 inches long with an exceptionally slender cob which is densely packed with long slender, "shoe-peg" kernels. Pkt., 5c; 1/2 lb., 15c; 1 lb., 25c; 5 lbs., \$1.00.

CHERVIL

Sow in early spring in rich, well prepared soil. The seed is slow to germinate, sometimes remaining in the earth 2 or 3 weeks before the plants appear.

Curled. This finely curled double variety makes a handsome showing and has a pleasing fragrance and flavor. It grows vigorously and matures early. Pkt., 10c; oz., 25c; 1/4 lb., 75c; 1 lb., \$2.50.

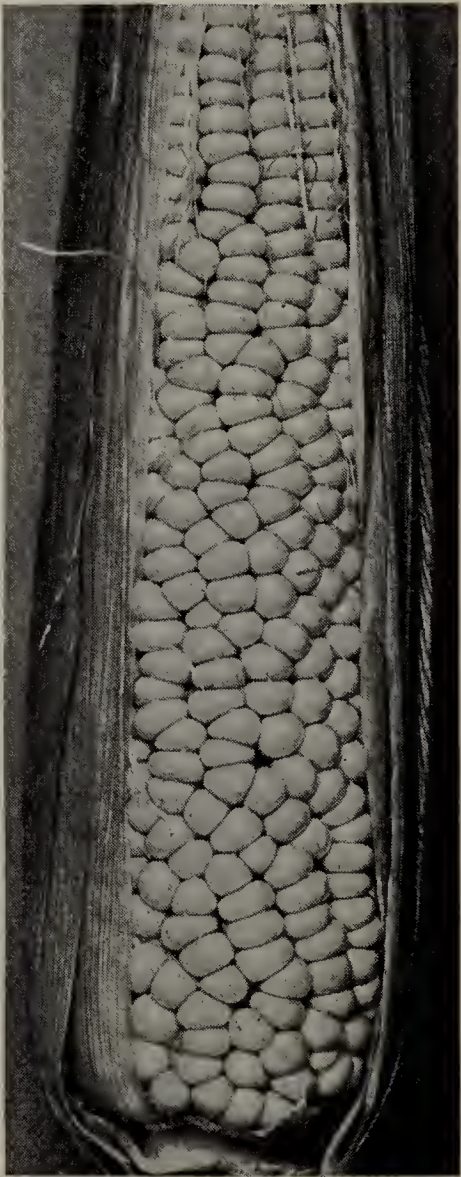
COLLARDS

This is a tall, loose leaved cabbage-like or kale-like plant grown throughout the South.

Georgia, Southern. This vegetable develops a loose leaved head. It grows 2 or 3 feet high and produces large light green leaves on rather long stems. A frost, if not too severe, will improve the crop. Pkt., 5c; oz., 15c; 1/4 lb., 35c; 1 lb., 75c.

CORN SALAD

Large Leaved. The hardiest, earliest and most appetizing variety grown. Pkt., 5c; oz., 15c; 1/4 lb., 50c; 1 lb., \$1.25.



Country Gentleman

PRICE ON SWEET CORN
Delivery Charges Extra

	10 lbs.	25 lbs.	100 lbs.
Vanguard	\$1.90	\$4.25	\$16.00
Early Table	1.20	2.50	9.00
Golden Bantam	1.45	3.15	11.50
Bantam Evergreen .	1.45	3.15	11.50
Country Gentleman	1.45	3.15	11.50
Howling Mob	1.45	3.15	11.50
Stowell's Evergreen	1.45	3.15	11.50

CUCUMBER

One ounce will plant 50 hills; 2 pounds will plant an acre in hills; 5 pounds in drills.



St. L. S. Co.'s Improved Green Hybrid

CULTURE—The first planting should be made in May in hotbeds; inverted sods form an excellent medium for both planting on and carrying the younger plants to their permanent location, small paper pots can also be used. Such plantings are usually ready for transplanting to the open ground in from three to four weeks.

The striped cucumber beetle is often very destructive to young plants. These beetles, when not very numerous, are usually kept from doing serious damage by dusting the plants with Slug Shot.

Early White Spine. This truly is the peerless cucumber and for slicing it has no equal. Our select strain of this variety is unsurpassed for the table or market. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; 1 lb., 85c.

Extra Long or Evergreen White Spine. The fruits of this very desirable table sort are long, cylindrical, very dark green, with very white, crisp and tender flesh. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; 1 lb., 85c; 5 lbs., \$4.00.

St. L. S. Co.'s Improved Green Hybrid. In our "Improved Green Hybrid" we offer the perfect cucumber, an extra early species of a most remarkable quality as well as appearance. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 35c; 1 lb., \$1.00; 5 lbs., \$4.50.

Arlington Improved White Spine. One of the best sorts for table use. The fruits are uniformly straight, dark green, fairly well covered with white spines and when mature are usually about seven inches in length. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; 1 lb., 85c.

Davis Perfect. A very fine cucumber for market as well as the home garden. Fine length, beautiful dark green color. Fruits eight to ten inches long, tapering at both ends, solid flesh, few seeds. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 35c; 1 lb., \$1.00; 5 lbs., \$4.50.

London Long Green. The fruits are very long, often twelve to fifteen inches when mature, pure yellow when ripe. The large warts and spines are well distributed over the surface instead of being clustered at one end as in inferior stocks. It is a standard sort for slicing and is very largely used for pickles. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 35c; 1 lb., \$1.00; 5 lbs., \$4.50.

Longfellow. This is a dark green cucumber of the white spine class. The fruits are eight to ten inches long, cylindrical in shape, and a fine glossy green in color. They retain their fine color for a remarkably long time and on that account are very well adapted for shipping. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 35c; lb., \$1.20.

Snow's Pickling. This is grown almost exclusively for pickling and is ideal for that purpose. It produces fruits of pickling size in 47 to 50 days and is the earliest of the varieties in common use. The fruits are blocky and regular in shape and are medium dark green with delicate pale green flesh. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; 1 lb., 85c.

Jersey Pickling. This variety is between the Long and the Short Green, forming a long, slender, cylindrical deep green pickle which is very crisp and tender. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; 1 lb., 80c.

Gherkin or Burr. An early maturing, very small, dark green cucumber; cylindrical, square ended, and very popular with many growers who want an ideal bottle pickle. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; 1 lb., \$1.25.

Japanese Climbing. Here is a variety that won't take up so much space in your garden as it easily trails up poles or trellises. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; 1 lb., \$1.25.



Snows Pickle



Cress

Water Cress. A very hardy plant which can be grown easily in a shallow pond of fresh water or along the edges of shallow running streams. Seeds may be started readily in pans or boxes of very moist earth, and when the young plants are well started, they can be transplanted to the stream or pond. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., 90c; 1 lb., \$3.00.



Green Curled Endive

ENDIVE

One ounce of seed to 300 feet of row.

For early use, sow about April 15th; for later supply, sow in June or July in rows 14 to 20 inches apart and when well started thin the plants to 1 foot apart. When nearly full grown, tie the outer leaves together over the center in order to blanch the heart of the plant. By covering fresh plants every few days, a succession may be maintained.

Two or three successive plantings at intervals of a week or 10 days during July will provide endive for winter use. Just before killing frosts in the fall, dig the plants, being careful to take plenty of soil with the roots and to avoid injury to the leaves. Pack the plants closely together, store them in the cellar, and keep as dark as possible. In this way they will be self-blanching and of finer quality than when tied and blanched out of doors. One of the best salads for fall and winter use.

BROAD LEAVED BATAVIAN (Escarolle) Crispness and tenderness make this endive unexcelled for salads. The broad leaves, twisted and waved, are of bright green with midribs nearly white; the inner leaves form a fairly solid cluster which blanches to deep creamy white. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; 1 lb., \$1.25.

CRESS

One ounce of Cress will sow two hundred feet of row.

As early in spring as the ground can be worked sow the seed in rich, well prepared soil, in shallow drills, about sixteen inches apart, covering with about one-half inch of fine soil firmly pressed down. When the young plants are well started thin four to six inches apart in the row. For succession plant every two weeks, thinning out as required for use. Keep off insects by dusting with Hammond's slug shot.

Curled or Pepper Grass. The leaves of this small salad are much frilled or curled, and are used for garnishing. It is also desirable with lettuce, to the flavor of which its warm, pungent taste makes a most agreeable addition. The plant is of rapid growth, about one foot high. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 35c; 1 lb., \$1.00.

DILL

Dill Mammoth. An annual of aromatic odor and warm pungent taste. Its seeds are used for seasoning. It possesses medical properties but its largest use is for making Dill Pickles. Plant branching, two to three feet high; leaves very much cut into thread-like segments. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; 1 lb., 90c.

DANDELION

One ounce will sow 100 feet of row.

New Cultivated: Use a clean, warm, rich soil. Sow in early spring in rows 18 inches apart, covering firmly with $\frac{1}{2}$ inch of fine soil. When plants are well developed, thin or transplant to 10 or 12 inches apart. Leaves will be fit to cut the following spring. Leaves are best when blanched. This process removes to some extent the bitter taste without impairing the qualities which make them valuable greens. Blanching may be done by covering with leaves or loose litter, or by boarding them over. The leaves are used as salad or as boiled greens. Pkt., 10c; oz., 50c; $\frac{1}{4}$ lb., \$1.75.



Broad-Leaved or Escarolle

GREEN CURLED. The leaves of this variety are finely divided, giving a mossy appearance. The center tends to blanch to a delicate white. The plant is hardy and vigorous and especially good for fall and winter use. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; 1 lb., \$1.25.

EGG PLANT

One ounce will produce about 1,000 plants.

Any good garden soil will serve, but fertilizing will repay. Start seed in greenhouse or hotbed in March. As the seed is slow to germinate, press soil firmly when covering. Be careful not to check growth by exposure. When plants are 2 inches high transplant to 3-inch pots. Set out in open ground about May 1, allowing 2½ feet between plants each way. Hoe frequently, keeping the soil loose and fine. Cover soil with a mulch of straw 2 inches deep to preserve moisture during hot weather. Do best in warm weather.

St. L. S. Co.'s Improved Oval Spineless. The strong bushes are larger than Black Beauty and keep the "eggs" off the ground better. The large dark purplish black fruits are heavy at the base narrowing toward the top, being very early. Hardy and productive. Pkt., 10c.; ½ oz., 20c; oz., 35c; ¼ lb., \$1.25; 1 lb., \$4.50.

Black Beauty. The fruits are rich dark purple, large and symmetrical, maturing a little earlier than our Improved Large Purple but usually not quite as large. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.25; 1 lb., \$4.50.

Early Long Purple. An early variety; dark purple fruit, six to eight inches long. This variety is a general favorite both for market and home garden. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.25; 1 lb., \$4.50.



St. L. S. Co.'s Imp. Oval Spineless Egg Plant

HERBS SWEET, MEDICINAL AND POT HERBS

CULTURE—For early sow seed in hotbed in March, or open ground in May, in rows one foot apart. Cover very lightly and thin out when large enough to six or eight inches in row. They should be cut on a dry day, before they come into full blossom. Tie in bunches and keep where they will dry quickly.

The varieties marked in asterisk (*) are hardy perennials. To preserve herbs properly, cut the stems and leaves just as the plant is coming into bloom, dry them in the shade, and when perfectly dry, wrap them up in paper or store them away in a dry room, or rub the leaves to a powder, pack in bottles and cork tightly, and store them away, which will preserve them for any period.

Anise. An annual herb cultivated principally for its seeds which have a fragrant, agreeable smell and a pleasant taste. Pkt., 10c; oz., 25c.

Basil Sweet. A hardy, aromatic annual. The seeds and stems have a strong flavor and are used in soups and sauces. Pkt., 10c; ½ oz., 25c.

Borage. A hardy annual used as a pot herb and for bee pasturage. Leaves are sometimes used in salads to give a cucumber-like taste. Pkt., 5c; oz., 10c; ¼ lb., 35c; 1 lb., \$1.00.

Caraway. A well-known herb, cultivated for its seeds, which are used in confectionery, cakes, etc. Pkt., 10c; oz., 25c.

***Catnip or Catmint.** For seasoning. Pkt., 10c.

Chervil, Curled. Used in soup. Pkt., 5c.

Coriander. A hardy annual cultivated for its seed which has an agreeable taste. Pkt., 10c; oz., 25c.

***Fennel, Sweet.** A hardy perennial. The seeds of this aromatic herb have a pleasant taste. Pkt., 10c; oz., 25c.

***Horehound.** A perennial herb with an aromatic odor and a bitter pungent taste. It is a tonic and enters largely into the composition of cough syrups and lozenges. Pkt., 10c; ½ oz., 25c.

***Lavender.** A hardy perennial, growing about two feet high. Pkt., 10c; ½ oz., 25c.

***Marjoram, Sweet.** An aromatic herb for seasoning. The young tender tops and leaves are used green in summer to flavor broths, dressings, etc., and are also dried for winter use. Pkt., 10c; ½ oz., 20c.

***Pennyroyal.** Used medicinally. Pkt., 10c.

Pimpinella (Burnet). The young leaves are used as salad; their flavor resembles cucumbers. Pkt., 10c; oz., 30c.

***Rosemary.** The leaves are used for flavoring meats and soups, and for medicinal drinks. Pkt., 10c; oz., 20c.

***Sage.** It is also believed to possess medicinal properties. Hardy perennial, about fifteen to eighteen inches high. Pkt., 10c; ½ oz., 15c; 1 oz., 25c.

Saffron. A hardy annual. Cultivated for its flowers which are used principally for coloring. Pkt., 10c; ½ oz., 25c.

***Sorrel (Broad-Leaved).** For boiling "greens" or salad. Cooks like spinach or with it, one-third Sorrel. Pkt., 5c; oz., 15c; ¼ lb., 50c; 1 lb., \$1.50.

Savory, Summer. A hardy aromatic annual twelve to fifteen inches high, the dried stems, leaves and flowers of which are extensively used for seasoning. Pkt., 10c; oz., 25c.

***Tansy.** For seasoning. Pkt., 10c; ½ oz., 30c.

Tarragon (Estragon). For flavoring. The young leaves are used for pickles, vinegar, etc. Pkt., 10c.

***Thyme.** An aromatic perennial herb, eight to ten inches high, used principally for seasoning. Pkt., 10c; ½ oz., 30c.

***Woodruff.** Fragrant leaves and stems; used for putting among clothes. Pkt., 10c; ½ oz., 25c.

***Wormwood.** Used medicinally and in liquors; a good tonic for poultry. Pkt., 10c; ½ oz., 25c.

KALE

Sow four pounds to the acre; one ounce will sow 150 feet of drill.

This is extensively grown, especially in the south during the fall, winter and spring. The leaves are used principally for greens. A favorite way is to cook them with bacon. The leaves are also used for garnishing.

Where climate permits seed may be sown any time from August to October, broadcast or preferably in drills 18 inches apart so that the plants when small may be cultivated. The quality is improved rather than injured by frosts if not too heavy.

Dwarf German for Spring. An improved selection of the ordinary Dwarf German Greens. A superior variety for market culture. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; 1 lb., 65c; 5 lbs., \$3.00.



Dwarf German Green Kale



Kale Tall Scotch

Dwarf German Green Home Grown (for Fall). Largely grown for supplying "greens" during the Fall, Winter and Spring. The plants are hardy; frost improves the quality. The leaves are very large, deeply curled and fringed. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; 1 lb., 65c; 5 lbs., \$3.00.

Double Curled Scotch. Desirable for Winter and Spring greens. Leaves are curly like Parsley, tender and of very fine flavor. It is improved by frost. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; 1 lb., 90c.

Tall Scotch. This variety makes beautiful plants, 2 feet or more in height. Leaves are finely curled and very tender. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; 1 lb., 90c.

KOHLRABI

One ounce will sow about 200 feet of drill.

CULTURE—This is a very delicious vegetable. The edible part is the turnip-shaped bulb formed above ground. Seed should be sown in light, rich soil as early in spring as possible in rows one and one-half feet apart and when well established thin to six inches apart in the row.

Early White Vienna. A standard sort for market and table use. Good for forcing. This variety has a very short top and forms the ball quickly, thus making it a particularly desirable sort on account of its earliness. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 50c; 1 lb., \$1.75.

Early Purple Vienna. Differs from the early white Vienna in color only. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 50c.

LEEK

Sow early in Spring in drills twelve to fifteen inches apart, covering one-half inch deep. Thin plants to six inches apart in row and draw the earth about them when cultivating.

London Flag. This well known broad leaved leek is hardy, productive, of good quality. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 50c; 1 lb., \$1.50.



Early White Vienna

LETTUCE

One ounce will produce from 2,000 to 3,000 plants

Green vegetables are now considered a part of our everyday diet by almost everyone, and among the special favorites are crisp leaves and heads of lettuce. No other vegetable contains more vitamins and other health bringing elements, and no other can be more easily grown in home gardens everywhere.

Lettuce seed germinates quickly and may be planted as soon as the cold wet days of spring are past. Sow seed in rows 15 to 18 inches apart, covering not more than $\frac{1}{2}$ inch deep. The loose leaved type may be thinned to an inch or so apart as soon as a few leaves are formed, and when large enough for the table, they may be thinned as used.

The conditions necessary to grow good head lettuce are rich soil, plenty of moisture, and steady growth from the time the seeds are planted until the heads are ready to use.

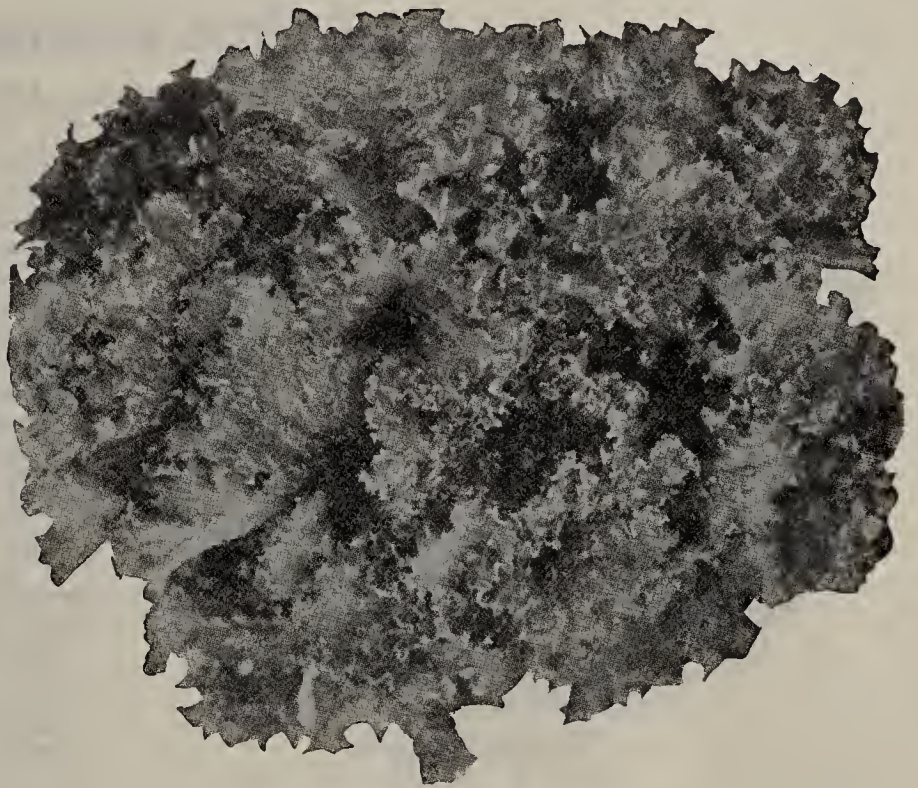
The plants should be thinned to 10 inches apart in the row and thorough cultivation given to keep down the weeds and conserve moisture. A light application of fertilizer, such as nitrate of soda, used after the plants have made some growth, will be found very beneficial.

EARLY CURLED VARIETIES

Early Curled Simpson. The standard loose-headed variety. Earlier than the heading sorts.

Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; 1 lb., \$1.25.

Black Seeded Simpson. Larger and lighter color than Early Curled Simpson. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; 1 lb., \$1.25.



Grand Rapids Lettuce

Grand Rapids. Especially adapted for early family use. A loose-headed Lettuce of pleasing appearance and remarkable table merit. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; 1 lb., \$1.25.

Prize Head. As its name implies, forms a very large loose head, slightly tinged with brown. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; 1 lb., \$1.25.



NEW YORK WONDERFUL. The most largely used lettuce in the world; grown in immense quantities on the Pacific Coast and shipped to all parts of the country. This is a decidedly crisp, cabbage-heading variety. It is very large and robust growing, rooting deeply, resisting hot, dry weather, is very slow to run to seed, and is a sure header under most trying conditions. The solid heads often measure 15 inches across. Plant large, dark green, crisp heading; outer leaves notched and slightly curled on the edges. Large, tightly folded cabbage-like head is well blanched, crisp, and sweet. Our Special is a strain of regular New York carefully selected. Pkt., 5c; 1 oz., 15c; $\frac{1}{4}$ lb., 50c; 1 lb., \$1.75.

LETTUCE—Continued

BEST HEADING VARIETIES



Iceberg Lettuce

Mammoth Black Seeded Butter. A fine variety for outdoor planting or for cold frames, either for the market or home use. It produces extra large heads, very compact, of a fine flavor. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; 1 lb., \$1.25.

Iceberg. A sure and hard-heading hot-weather variety. Outer leaves light green, curly, and finely fringed. Hearts are of a beautiful white color, crisp and tender. Fine appearance and mild flavor. Use this during the hot summer months. This is quite commonly confused with New York, but is really distinct, being much lighter in color. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 50c; 1 lb., \$1.50.

St. L. S. Co.'s Big Boston. This grand variety has proved to be valuable. Especially valuable for summer and fall use out-of-doors, and for hot-bed and cold frame culture. It is a cabbage, butter-head type with glossy, plain edged leaves tinged brown on the margins; forms a firm, well folded head, buttery-yellow at the heart and of excellent quality. Pkt., 5c; 1 oz., 15c; $\frac{1}{4}$ lb., 40c; 1 lb., \$1.25.

St. L. S. Co.'s Black Seeded Forcing. The favorite of gardeners who grow for the St. Louis market. Where there is always a big demand for this popular variety. Heads are of a medium size, well formed and compact, of excellent quality and fine appearance. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; 1 lb., \$1.25.

St. L. S. Co.'s Summer. This excellent variety is noted for its extra large and firm heads, and thin leaves of the finest quality. It is a very large, robust-growing variety, and a sure header; forms a head in six weeks; at least ten days earlier than the Big Boston. May be sown all through the year and stands heat remarkably well. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; 1 lb., \$1.25.

Hanson. In every respect an ideal lettuce. It never fails to make large, handsome heads. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; 1 lb., \$1.25.

St. Louis Seed Co.'s Big Market Garden. This is the most extensively grown lettuce either for market or private tables. For a time-tried and true Lettuce you will find the Market Garden the finest lettuce that can be planted when you consider its many fine qualities. Whether grown in the open ground for early Spring or Fall use, or in frames for Spring, it invariably gives both the grower and user the utmost satisfaction, producing under ordinarily favorable conditions, splendid buttery-yellow heads, packed with thoroughly blanched leaves, crisp, tender, sweet, white and of the most exquisite flavor. Pkt., 5c; 1 oz., 15c; $\frac{1}{4}$ lb., 50c; 1 lb., \$1.50.

St. L. S. Co.'s Imp. Butter. This is one of the finest, the most brittle as well as the crispest lettuce. This delicious variety is of the cabbage type. Every plant is uniformly perfect, nearly all head with but few outside leaves. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; 1 lb., \$1.25.

St. Louis Market. A great favorite among the gardeners where its many good qualities insure for it a big market demand, with a good price for same. Its large heads of crisp, buttery flavor have made this variety the most popular market variety. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; 1 lb., \$1.25.

Hardy Green Winter. The standard Winter sort. Of delicious flavor. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c.

Trianon Cos (Romaine). Head tall and very thick, blunt at top. Leaves are very light green, crimped, broad-ribbed, and a long narrow spoon shape. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c.

Chicken Lettuce. We offer American grown seed of this foreign variety which is of little value for table use but is in great demand among poultry raisers for feeding chickens. If thinned to about 8 inches it will form a large cluster of leaves and will rapidly run to seed. It furnishes an abundant supply of green feed for poultry when the seed stalk is about 2 feet tall. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; 1 lb., \$1.25.



Big Boston

MUSKMELON

After danger of frost is past, the ground being warm and in good condition, plant in rich soil, preferably sandy loam, in hills about 4 to 6 feet apart according to the vigor of the variety. Put 10 to 12 seeds in a hill, covering with about an inch of fine soil firmly pressed down. When the plants begin to crowd and the striped beetles are pretty well gone, thin to four of the most vigorous plants in a hill. Give frequent but shallow cultivation, until the plants make runners so long that this is impracticable. Rich earth for the young plants is far better than manure, but if the latter must be used, see that it is well rotted and thoroughly mixed with the soil.

Green Fleshed Varieties

Colorado Queen. The best green-fleshed melon for shipping long distances. The netting is heavy, slightly covering the ribs. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; 1 lb., 90c.

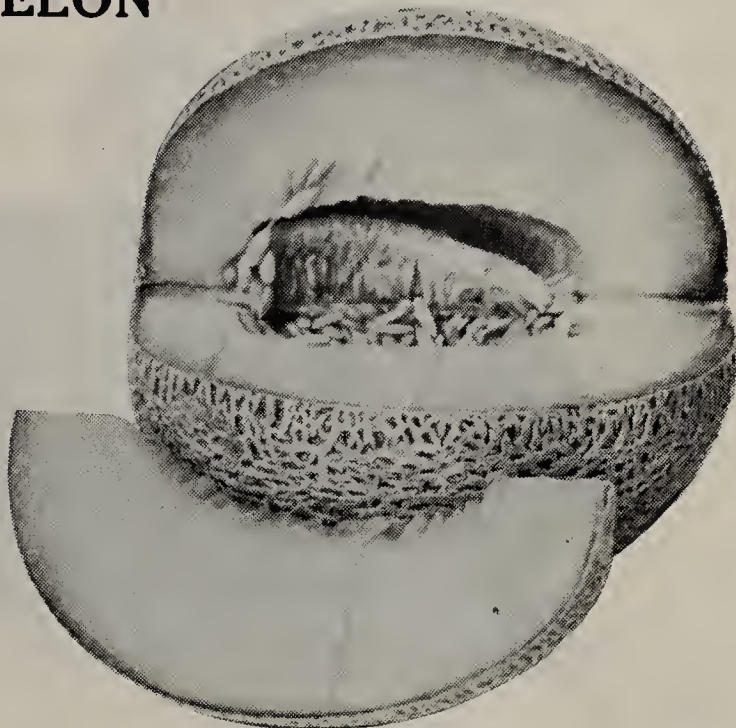
St. Louis Market. By far the sweetest and most delicious, richly flavored melon ever grown. Flesh is green and delicious, rind is green and solid. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; 1 lb., 90c.

Honey Dew. The skin when ripe is creamy yellow in color. Flesh light emerald green, fine grained and of very sweet, sugary flavor. Rind thin but very firm and the fruits stand shipping remarkably well. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; 1 lb., \$1.25.

Salmon Fleshed Varieties

Banana. The flesh (the melon being so nearly solid) is of a rich salmon. It grows from 20 to 28 inches in length and is very prolific. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 50c; 1 lb., \$1.50.

Burrell's Gem or Defender. Size averages 6 inches long by four inches thick through, is distinctly ribbed, beautifully netted. Thick, firm luscious



Hearts of Gold

salmon-orange flesh. Maturing in 95 days. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; 1 lb., 90c.

Hale's Best (selected stock). This is the Melon now grown so extensively in the Imperial Valley, Cal., for early shipment to the big Eastern markets. On account of its remarkable earliness and fine shipping qualities, it has now superseded the old time Rocky Ford. Hale's Best is slightly larger and 2 weeks earlier than the Standard Rocky Ford, and is pink fleshed clear to the rind, which is well ribbed and netted. The flesh is very thick; with only a small seed cavity and of excellent quality, being sweet. Maturing in 85 days. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 35c; 1 lb., \$1.00.

Hearts of Gold or Improved Hoodoo. This is an orange fleshed variety of medium size, ideal as a shipping melon and a desirable mid-season sort for the home garden. The vines are vigorous, blight resisting and very productive. The fruits are nearly round and are uniformly of medium size. Maturing in 100 days. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 35c; 1 lb., \$1.00.

Rocky Ford Pink Meat (Pollack No. 10-25). The fruits are of great uniformity in size and shape, with well developed gray netting, closely laced and covering the entire surface. The rich salmon flesh is deep, very solid, of a luscious sweet flavor, and ripens clear to the rind. Its shipping qualities are excellent. Maturing in 85 days. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; 1 lb., 90c.

Tip-Top. The most productive muskmelon known; good for early or late; having a sweet, juicy, fine flavor, solid flesh and eatable to the outside coating. The fruit is of large size, nearly round, evenly ribbed. Maturing in 90 days. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; 1 lb., 90c.



Rocky Ford Pink Meat (Pollack No. 10-25)

WATERMELON

CULTURE—Treat the same as Muskmelon, except that they should be planted 8 to 10 feet apart, according to variety. Maturing from 95 to 100 days.



Citron. The fruits are medium sized, uniformly round and are used exclusively for preserves or pickles. The flesh is white and solid, but is not at all suitable for eating raw. Seed red. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; 1 lb., 75c.

Florida Favorite. Shape oblong with light and dark green skin; flesh is bright crimson and deliciously sweet. We offer only a select stock of this famous melon. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; 1 lb., 75c.

Fordhook Early. A most delicious and productive variety for the family garden, succeeding in northern states, where melons were never matured before. The flesh is of a beautiful bright red color. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; 1 lb., 75c.

Georgia Rattlesnake. One of the largest varieties, and stands shipping long distances. Fruits of good size, oblong in form, distinctly striped and mottled; flesh bright scarlet and of excellent quality. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; 1 lb., 75c.

Irish Grey. A very popular shipping variety. Rather large in size, long in shape. The rind is light green in color. The flesh is red, not stringy or coarse, very sweet. This is recommended equal to Tom Watson as a shipping variety. Average weight, 35 lbs. Edible in 90 days. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; 1 lb., 75c.

McIver's Wonderful Sugar. This melon has remarkable shipping qualities. The shape is long, rind is light green with irregular dark green stripes. Very prolific. A profitable melon to grow. Weight 30 lbs. Edible in 92 days. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; 1 lb., 75c.

Kleckly's Sweet. This is considered the sweetest of the large melons. Particularly adapted for home garden and shipping short distances. Kleckly's Sweet is oblong in shape, about 22 inches long and 12 inches in diameter, weight from 40 to 50 lbs. The thin rind is brittle, dark green in color. The flesh is bright scarlet, very sweet. 87 days to maturity. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; 1 lb., 75c.

Pride of Muscatine. A new wilt-resistant strain of the Kleckly's Sweets. In commercial areas where wilt is prevalent this melon will prove very valuable. The thick rind makes it a better shipper than Kleckly's Sweets. Has dark green skin. The deep red flesh is sweet, crisp, and tender. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 35c; 1 lb., \$1.25.

Stone Mountain (or Dixie Bell). A variety recently introduced in Georgia, being named after the great Stone Mountain of that state. Rich dark green in color with scarlet flesh that is exceptionally sweet and melting. Very few seeds are found in this melon which gives one the impression on first opening that it is all heart. The average weight is 45 lbs. The markets that demand a round melon will find that this variety will outsell any others. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; 1 lb., 90c.

Tom Watson. The peer of the Watermelons for shipping; it being the popular variety for the large growers on account of its ready sale in all markets. It is well adapted for long distance shipping. Very sweet and practically melts in the mouth. The flesh is red and the seeds are brown with here and there a sprinkling of white seed. The rind is deep green and elastic. This variety is oblong in shape, averaging about 20 inches in length and 10 to 12 inches in diameter, weight ranging from 35 to 40 lbs. Maturing, 90 days. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; 1 lb., 75c.

Use Slug Shot by dusting on damp plants to combat the Mexican Bean Beetle, Potato Bug, Cabbage Worm, Slugs, Sow Bugs, Army Worm, Cucumber Worms, etc. It is the safest, most effective and most economical general purpose insecticide and fungicide available. It is a product proven by over half a century of successful use. Price, 5 lb. Pkg., 75c.



MUSHROOM

Mushroom Culture Leaflet Mailed Free

Ask for it when you order your Spawn

We always have a fine, fresh supply of "Pure Culture" Spawn on hand, and you can depend on getting the kind of spawn that will produce large mushrooms. This spawn comes in bricks weighing about 18 to 20 ounces. A brick is sufficient to spawn ten square feet of bed. Be sure to mention the cultural leaflet when you order your spawn. Per brick, 25c; 5 bricks, \$1.00. If wanted by parcel post add 5 cents a brick for postage.

BOOK ON GROWING MUSHROOM

Mushroom Culture. By Robinson. The best English book, cloth bound. \$1.00.

Mushrooms. By B. M. Duggar. The best American book, cloth bound. \$2.00.

MUSTARD

(One ounce will sow 40 feet of drill).

Mustard is not only used as a condiment but the green leaves are used as a salad or cut and boiled like spinach. Sow as early in the spring as the ground will permit, in drills about eighteen inches apart, covering one-half inch deep. For succession, sow every few weeks.

Mustard Spinach. A variety introduced in this country from Japan. It takes the place of Spinach as it remains tender even in dry weather. Pkt., 5c; 1 oz., 10c; 4 oz., 25c; 1 lb., 65c.

Fordhook Curled. When cooked like spinach the broad leaves of this variety are delicious. They are often more than a foot in length and crimped. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 60c.

Southern Giant Curled. The leaves are large, light green with tinge of yellow, much crimped and frilled at edges. The plant is upright or slightly spreading in growth. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 60c.

Long Standing Curled. The leaves of this variety are closely curled and finely fringed. The yellowish green color and compact erect habit of growth lends a decorative touch to the garden and the tender quality and fine flavor of this variety render it one of the most desirable for salads and greens. A little slower growing than the frilled varieties but longer standing. Pkt., 5c; 1 oz., 10c; ¼ lb., 30c; 1 lb., 75c.

White or Yellow. The leaves are comparatively small and smooth deeply cut or divided and of medium dark green color. Seeds are used for pickling. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 50c.



OKRA OR GUMBO

The young seed pods are used in soups, stews, catsup, etc. Highly esteemed in the south. After danger of frost is past, the ground being warm and in good condition, plant in rows about two and one-half feet apart, covering with about an inch of fine soil firmly pressed down. When about three inches high, thin to about one foot apart in the row.

Perkins Mammoth Long Pod. In productiveness this Okra is simply wonderful. Pods of an intense green color. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 60c.

Early Dwarf Green. An extra early maturing variety. Very productive. Plants are more dwarf in habit of growth than those of other varieties. Pods short, deep green. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 60c.

White Velvet. The plants are about three and one-half feet high, early maturing and very productive. The pods are white, long, smooth and are tender until nearly full sized. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 60c.



Dwarf Green Okra

ONION

An ounce will sow 100 feet of drill. Four to five pounds to the acre for Large Onions.

The Onion is one of the most extensively used of all vegetables. It not only contains considerable nutriment and has valuable Medicinal properties, but is most useful in counteracting the bad effects of sedentary life. The disagreeable odor it imparts to the breath may be avoided in a great measure by thorough cooking, or by eating a few leaves of parsley.

In onion culture, thorough preparation of the ground, careful sowing and the best of after culture, though essential for a full yield, will avail nothing unless seed of the best quality be used. Experience enables us to produce onion seed that is unsurpassed. The seed we offer is the best obtainable.

Although onions are often raised from sets and from division, by far the best and cheapest mode of production is from seed. The facility with which seed is sown and the superior bulbs it produces, recommend it for general use.

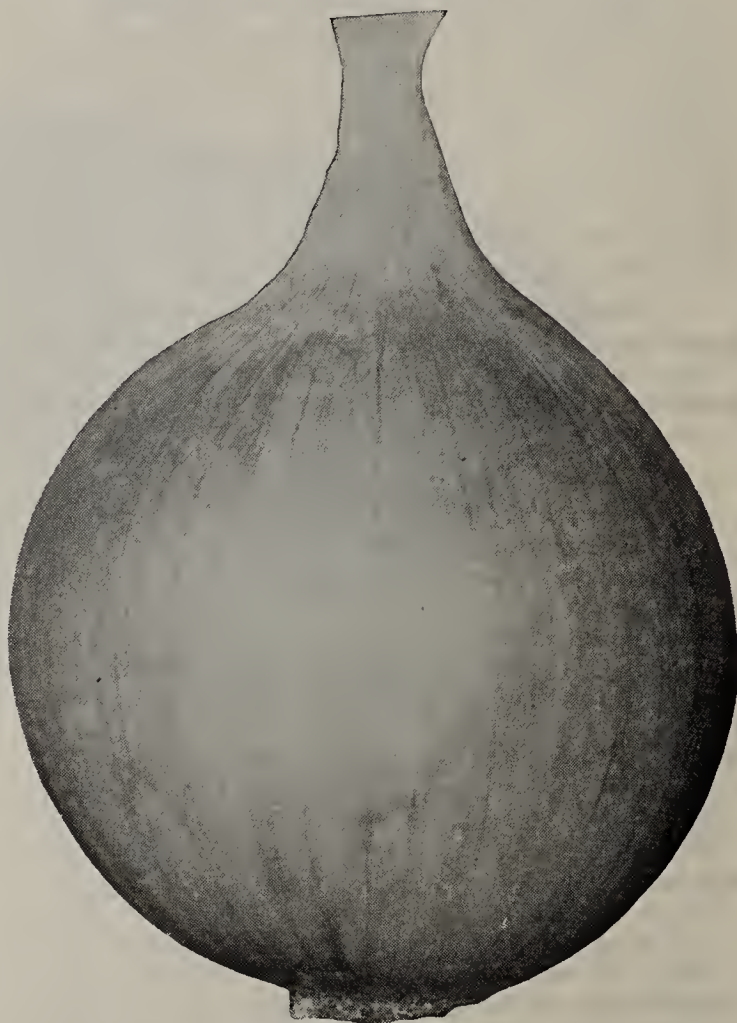
As early in spring as ground can be worked, sow in rich soil, thoroughly pulverized and leveled, in rows twelve to fifteen inches apart, covering one-half inch deep. When the plants are well up, cultivate and keep free from weeds. The young plants may be thinned about one inch apart in the row. When grown for bunching, the rows can be made as close as ten inches.

Welsh or Bunching. The earliest and best shaped onion for early bunching; small bulbs, skin pearly white, flesh of good quality and flavor. Best when used as an early crop. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; 1 lb., \$1.25.

Giant Yellow Prize Taker. A very handsome late or main crop Onion of the largest size and nearly globular in form, sloping slightly at the shoulder and base. Skin is yellowish brown. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 45c; 1 lb., \$1.40.

Large Red Globe. This most excellent main crop Onion produces medium to large sized perfect globe-shaped bulbs with small neck, smooth and glossy, and of deep purplish red color, even darker than Large Red Wethersfield. One of the best keepers. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 45c; 1 lb., \$1.40.

Large Red Wethersfield. The bulbs are large and are flattened, yet quite thick. The skin is deep purplish red. The flesh is light purplish white, moderately fine grained, rather strong but of



Large White Globe

pleasant flavor. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; 1 lb., \$1.25.

Large White Globe. A most desirable medium early or main crop variety for the home garden. It is sometimes called Southport White Globe. The variety yields abundantly producing medium to large, handsome and finely shaped clear white bulbs. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 60c; 1 lb., \$2.00.

Mammoth Silver King (White Granus). One of the greatest, grandest and most delicious Onions ever offered. Grows very large, early; flat, but thick through; tender and of a very mild, sweet flavor; uniform in size and shape. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 60c; 1 lb., \$2.00.

Philadelphia Silverskin. This is a medium sized onion of mild flavor and with beautiful, clear white skin. The variety is a favorite with many for use when young as a salad or bunching onion and for pickles. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 45c; 1 lb., \$1.50.

Riverside Sweet Spanish. A very large globe-shaped, light yellow Onion with small top and an exceptionally fine shipper. Pkt., 5c; 1 oz., 25c; $\frac{1}{4}$ lb., 75c; 1 lb., \$2.50.

ONION SETS

(By Parcel Post, add 5c a quart postage. .
Prices subject to change)

Yellow Onion Sets. Qt., 15c; gal., 50c; Bu., 32 lbs., \$1.75.

Red Onion Sets. Qt., 15c; gal., 50c; Bu., 32 lbs., \$1.75.

White Onion Sets. Qt., 15c; gal., 50c; Bu., 32 lbs., \$2.00.



PARSLEY

Parsley succeeds best on rich, mellow soil. The seed is even slower than parsnip in germinating and should be sown as early as possible in the spring, in rows 1 to 2 feet apart, covering not more than $\frac{1}{2}$ inch with fine soil firmly pressed down. When the plants are well up thin 8 to 12 inches apart in the row. When the plants of the curled varieties are about 3 inches high cut off all the leaves; the plant will then start a new growth of leaves which will be brighter and better curled. Later, if these turn dull or brown they can be cut in the same way; every cutting will result in improvement of the quality of the leaves.

Extra Triple Curled (Moss Curled). One of the most popular varieties owing to the fine deep green color and attractive foliage which resembles moss because of the tightly curled leaves. A vigorous and compact grower. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; 1 lb., 85c.

Hamburg. Thick Rooted. The root of this variety is edible and resembles a parsnip in color and shape. It is extensively used for flavoring soups and stews. The roots may be stored in sand for winter use. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; 1 lb., 85c.



Curled Parsley

Plain or Single. The leaves are deeply cut, flat and dark green in color. They are extensively used for flavoring and for drying. The plant is easily grown. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; 1 lb., 85c.



Parsnip Hollow Crown



Parsnip—Short Thick

PARSNIP

The value of the Parsnip as a culinary vegetable is well known, but it is not generally appreciated at its full value for stock feeding. Parsnips are usually grown on deep, rich, sandy soil, but will make good roots on any soil which is deep, mellow and moderately rich. As the seed is sometimes slow and uneven in growth, it should be sown as early as possible in drills two and one-half feet apart; cover one-half inch deep.

Hollow Crown, Thick Shoulder. This is the most popular and best variety in cultivation. The skin is smooth and white while the flesh is tender. The roots grow to 18 to 20 inches in length and the best part is contained in the first 8 inches from the top. It is very sweet and tender and is increased in value by moderate freezing. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; 1 lb., 75c.

Short Thick. This attractive little parsnip makes a fine garden and bunch vegetable. The tops are only about half the size of ordinary Hollow Crown. The roots are short and thick, only 6 or 8 inches long. The roots are full crowned and rounded on top with a small neck. This variety is very early, fully a month earlier than Hollow Crown. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 35c; 1 lb., \$1.00.

PEANUTS

Planted in April, they ripen in summer, and planted as late as July 1st, they will mature full crops before frost. Lb., 25c; 5 lbs., \$1.00.

GARDEN PEAS

Price Pkt. up to 5 lbs., Postpaid

One to Two Pounds will plant 100 feet of row; 120 lbs. will plant an acre. They can be sown in the spring, just as soon as the ground can be worked.

For early peas the soil should be light and warm, but for general crop a moderately heavy soil is better. Fresh manure and very rich or wet mucky soil should be avoided, as they cause a rank growth of vine at the cost of the quality of the peas, furthermore, such soil is often the cause of early sorts maturing unevenly.

Sow as early as possible a few of some early variety in warm, quick soil, prepared the fall before, planting in double rows six to eight inches apart and two and one-half to four feet between the double rows. The general crop can be delayed until later, but we have met with better success from sowing all the varieties comparatively early, depending for succession upon selecting sorts that follow each other in maturity. The peas will give quicker returns if covered only one inch deep and where earliness is most important they may be treated in that way.

SMOOTH-SEEDED EXTRA-EARLY

Alaska. A wonderfully productive small-podded and extremely early sort, grown on a very large scale throughout the United States for first crop. The vines, of a peculiar, distinctive, light green tinge, are 2½ to 3 feet high. Pkt., 5c; ½ lb., 20c; 1 lb., 30c; 5 lbs., \$1.20.

Mammoth Pod Ex. Early. This is without question the best extra early pea for market gardeners. It is only five days later than Alaska and the pods are almost as large as Gradus. The seed being smooth, it can be planted as early as any of the extra earlies. It is very prolific; pods of a rich dark green color. Height, three feet. Pkt., 5c; ½ lb., 20c; 1 lb., 30c; 5 lbs., \$1.20.

EARLY VARIETIES (Wrinkled)

American Wonder. The old popular favorite among all who grow peas. In our American Wonder you have all the finest qualities that could be desired, for the small, dwarf-like bushes are so heavily laden with peas of the finest quality. Pkt., 5c; ½ lb., 20c; 1 lb., 30c; 5 lbs., \$1.20.

Little Marvel. We consider this the most desirable of dwarf varieties for the home garden. The dark green vines are 18 to 20 inches in height, very sturdy and vigorous, and are loaded with pods. These are very deep green, 3 inches long, blunt ended and closely packed with peas of medium size. The peas are of tempting dark green color, extremely tender and unsurpassed in sweetness. This variety is only 4 or 5 days later than the earliest garden sort and should be planted as the main crop in any garden. Pkt., 5c; ½ lb., 20c; 1 lb., 35c; 5 lbs., \$1.25.

Gradus. A very early, wrinkled pea. The vines are similar in appearance to Telephone but of medium height, only about three and one-half feet. The pods are very large, four inches long, uniformly well shaped. Pkt., 5c; ½ lb., 20c; 1 lb., 30c; 5 lbs., \$1.20.

Laxtonian. The dwarf, medium early, 18-inch vines are very vigorous, sturdy and productive; foliage dark green; productive very dark green, large, full pods 4 inches long, curving very slightly to the point. Pkt., 5c; ½ lb., 20c; 1 lb., 30c; 5 lbs., \$1.20.

Laxton's Progress. The earliest large podded dwarf pea. Height 18 inches. In season four days earlier than Laxtonian. Pods 4 inches long, broad and pointed, deep green in color, containing 8 large, dark green peas of high quality. Pkt., 5c; ½ lb., 20c; 1 lb., 30c; 5 lbs., \$1.20.

PEAS, EDIBLE POD

Edible Pod Tall Melting Sugar. A foreign pea, little known in this country. A wonderful productive sort. Pkt., 5c; ½ lb., 20c; 1 lb., 35c; 5 lbs., \$1.25.

Edible Pod Dwarf Grey Sugar. Of a dwarf growth, a fine edible pod when young. Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 5 lbs., \$1.25.



Gradus

PRICE ON PEAS—Delivery Charges Extra

	10 lbs.	25 lbs.	100 lbs.
Mammoth Pod, Extra Early.....	\$1.80	\$4.00	\$15.00
Alaska.....	1.70	3.75	14.00
American Wonder.....	1.80	4.00	15.00
Little Marvel.....	2.00	4.50	17.00
Gradus	1.80	4.00	15.00
Laxton's Progress.....	1.80	4.00	15.00
Laxtonian	1.80	4.00	15.00

PEPPER

One ounce will produce about 2,000 plants

CULTURE—Sow in hotbed in March or April; transplant in open ground when all danger from frost is over, in rows three feet apart and two feet apart in row.

The garden varieties of pepper are divided into two classes, each of which has its special uses. They generally are classified as "hot" and "sweet" peppers. The hot varieties are nearly all much smaller than the sweet ones and the smallest fruited varieties are usually the hottest. The sweet peppers have thicker flesh, are larger and do not possess the pungent quality of the hot ones. They are becoming more popular for garnishing and in relishes, etc.

Bell or Bull Nose. Early and of mild flavor. A favorite for picking. Large bright red, thick flesh. Pkt., 10c; $\frac{1}{2}$ oz., 20c; 1 oz., 30c; $\frac{1}{4}$ lb., \$1.00; 1 lb., \$3.50.

CALIFORNIA WONDER. Thickness of flesh alone, which is often $\frac{3}{8}$ of an inch, places this sweet pepper above all others. It is crisp and juicy, too, without a trace of pungency. Vigorous growing plants bear a heavy yield of blocky fruits that become as much as 5 inches long and 4 inches wide. Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 50c; $\frac{1}{4}$ lb., \$1.75.

Chinese Giant. A variety that produces prize fruits. They are often 6 inches across and $4\frac{1}{2}$ to 5 inches deep. These large blocky fruits are creased lengthwise and folded in at the end. The flesh is moderately thick and very mild. The fruits are rich bright green when young and bright cherry red at maturity. Pkt., 10c; $\frac{1}{2}$ oz., 30c; 1 oz., 50c; $\frac{1}{4}$ lb., \$1.75; 1 lb., \$6.00.

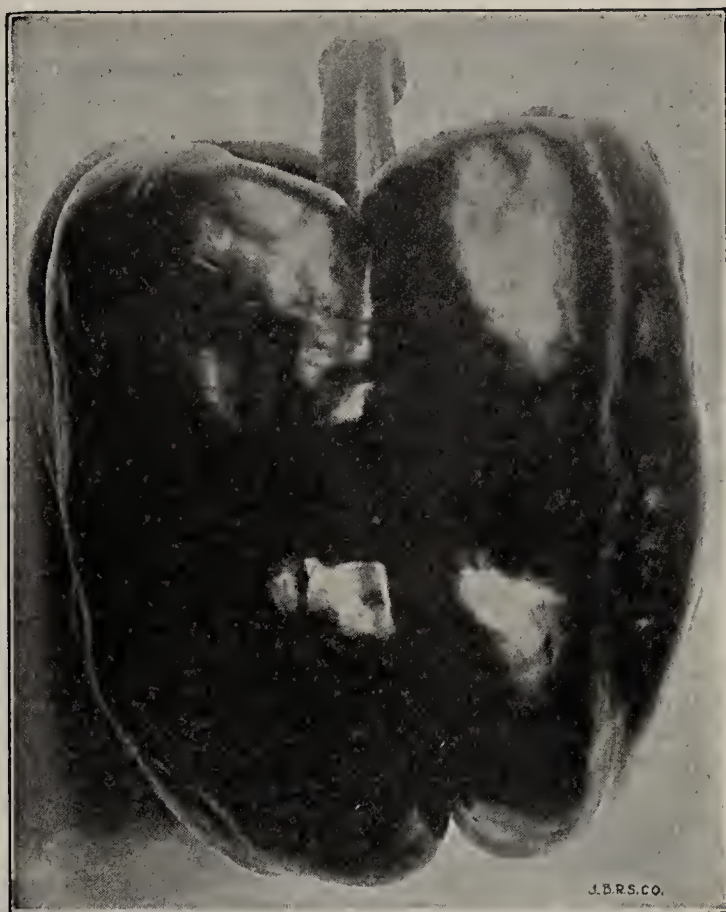
Crimson King. The fruit is not quite as large as Chinese Giant; in shape not quite so blocky. In flavor it is the mildest we have ever known, as the flesh may be eaten raw from the hand. Pkt., 10c; $\frac{1}{2}$ oz., 25c; 1 oz., 45c; $\frac{1}{4}$ lb., \$1.50; 1 lb., \$5.50.

Harris' Early Giant. This most admirable sort is especially adapted to Northern growing because of its early maturity. The peppers are larger than any other early sort, $3\frac{1}{2}$ inches in diameter and $4\frac{1}{2}$ inches long. For unripe picking they are medium dark green and in maturity are bright red. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 45c; $\frac{1}{4}$ lb., \$1.50.

Pimento. This very popular variety used extensively by the Spanish people in their Pimento salads. It is a thick-meated variety of mild flavor. Pkt., 10c; $\frac{1}{2}$ oz., 20c; oz., 30c; $\frac{1}{4}$ lb., \$1.00.



Pepper, Red Cayenne



Crimson King Pepper

Hungarian Yellow Wax. This large fruited, early, hot pepper is highly esteemed for canning. Its size gives it more the appearance of the sweet than the hot varieties. The plants produce a fine crop of fruits 6 to 7 inches long and 2 inches in diameter. They are waxy light yellow at first but change to orange and then to bright red when fully ripe. Pkt., 10c; $\frac{1}{2}$ oz., 35c; 1 oz., 60c; $\frac{1}{4}$ lb., \$2.00; 1 lb., \$7.00.

Large Sweet Spanish. An excellent quality late pepper of most attractive appearance. The plants are very compact and productive of large long fruits, 7 inches in length and 2 inches in diameter. The young fruits have very thick, mild, deep green flesh. It ripens to a rich red. Pkt., 10c; $\frac{1}{2}$ oz., 20c; 1 oz., 35c; $\frac{1}{4}$ lb., \$1.25; 1 lb., \$4.50.

HOT—Small-Fruited Varieties

Long Red Cayenne. A well known variety of medium early maturity. The fruit is 4 inches long and 1 inch thick, twisted and pointed. It is deep green when young and bright red when ripe. The flesh is strong and pungent. Recommended for drying. Pkt., 10c; $\frac{1}{2}$ oz., 20c; oz., 35c; $\frac{1}{4}$ lb., \$1.00.

Red Cherry. The vigorous growing bushy plants of this variety bear scores of round peppers which are a little larger than cherries. These are green when young, turn black as they mature and are bright cherry red when ripe. Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 50c; $\frac{1}{4}$ lb., \$1.50.

Red Chili. The plants of this variety are comparatively short but very bushy and are literally covered with small tapering fruits about 2 inches long. These change to bright red when ripe and are very hot or pungent. They are much used for making pepper sauce. Pkt., 10c; $\frac{1}{2}$ oz., 30c; 1 oz., 50c; $\frac{1}{4}$ lb., \$1.50.

Tabasco. It is the smallest and hottest of the peppers in general cultivation. The fruits are about $\frac{3}{4}$ to 1 inch long, bluntly tapered and about $\frac{1}{4}$ inch in diameter. They are light yellow when young and fiery red when ripe. These are chiefly used in making Tabasco Sauce. Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 50c; $\frac{1}{4}$ lb., \$1.75.

NORTHERN GROWN SEED POTATOES

Prices are subject to Change on all Potatoes

CULTURE—Any good, well drained, fibrous loam will produce Potatoes under right climatic conditions. For early Potatoes which mature in eight to ten weeks from planting, the soil must be particularly rich. A rich clover sod, manured and broken the year before and planted to corn, beans, peas, etc., is in best shape for giving a good yield of nice, clean Potatoes. Stable manure had better be applied to the land the year before, while some good complete fertilizer, at the rate of up to 1,000 pounds per acre if applied broadcast, or 400 to 600 pounds if applied mostly in the rows, may be used directly for the Potato crop. Open furrows three to four inches deep. Then plant good sized pieces, each containing no less than two or three eyes, fifteen inches apart in the furrows for early Potatoes, and eighteen inches apart for late ones. In some of the large Potato sections the Potatoes are always planted in check rows three feet apart each way. Cover with small plow or other suitable tool. Cultivate often. Spray with arsenate of lead mixture as a protection from beetle, potato beetle and blight. 8 to 10 bushels will plant an acre.

Bliss Red Triumph. Extremely prolific and a full week in advance of Early Rose. Color, a beautiful light red. Size, medium. Growth very uniform. Shape, nearly round. The flesh is white; very mealy when cooked. 10 lbs., 35c; 30 lbs., 75c; 60 lbs., \$1.25.

Early Ohio. In the Red River Valley. Much need not be said of this great potato. Among the standard early varieties it undoubtedly stands at the head of the list. An excellent keeper for such an early variety. 10 lbs., 35c; 30 lbs., 75c; 60 lbs., \$1.25.

Irish Cobbler. This has become one of the general favorites in all localities for early as well as late planting. When it was first sent out it was not claimed to be particularly early, but extensive growing in this locality proves that it is fully as early as the Early Rose. 10 lbs., 35c; 30 lbs., 75c; 60 lbs., \$1.25.

Rural New Yorker. It is very large, usually smooth, oblong inclining to round, and rather flattened. Skin and flesh white; quality excellent; season intermediate. Tubers of great uniformity in size; almost every one marketable. 10 lbs., 30c; 30 lbs., 70c; 60 lbs., \$1.15.



DUPONT SEMESAN BEL POTATO DISINFECTANT

2c a Bushel Now Pays for Easy

Dip Treatment of Seed Potatoes

With New Improved SEMESAN BEL

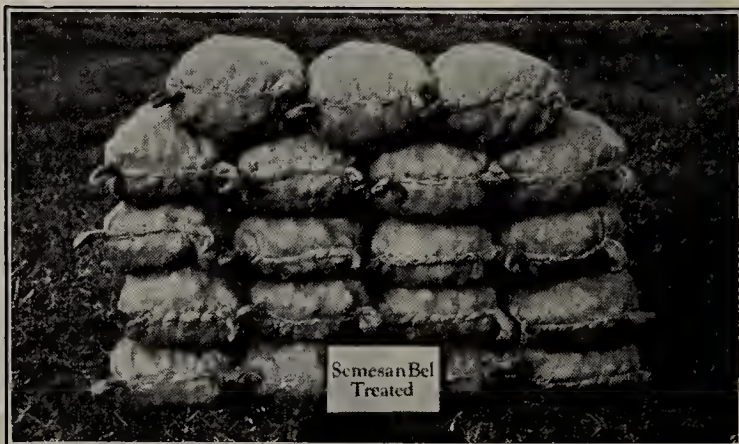
Seed potato treatment will bring you more profit than ever before. New Improved Semesan Bel—the quick dip treatment—has cut treating costs to 1½c to 3c per bushel of seed and gives equal or better control of seed-borne Rhizoctonia and scab than the old soak treatments. It protects seed pieces against rotting, insuring maximum stands; gives more consistent increases in yield and consequently larger profits. New Improved Semesan Bel costs less in time and labor than the old treatments. It is easily and quickly applied. Just mix one pound of Improved Semesan Bel with 7½ gallons of water, dip your seed potatoes, drain, and plant. One pound of New Improved Semesan Bel treats 60-80 bushels of seed potatoes.

Prices: 4 oz., 50c; 1 lb., \$1.75; 5 lbs., \$8.00.

Place potatoes in a wire basket (one can easily be made from one-inch mesh chicken wire) or any similar open side container and simply dip it with its load

of seed into the Semesan Bel mixture until all seeds are completely covered. Then remove immediately allowing the excess liquor to drain back into the treating tub. The seed pieces may be planted right after this treatment or else dried for future planting.

Ask for Semesan Bel Potato Booklet.



"Improved Semesan Bel increased the yield over that of untreated seed potatoes by an average of 16%, or 31 bushels per acre."

PUMPKIN

One ounce will plant about 25 hills; 4 lbs. will plant an acre.

Pumpkins are less sensitive than melons or cucumbers to unfavorable conditions of soil and climate but are cultivated the same, though on a larger scale. They are raised between hills of corn or in fields by themselves, but more properly belong to the farm than the garden as they readily mix with and injure the quality of the finer squash. After danger of frost is over plant the seed in hills eight to ten feet apart each way, dropping about a dozen seeds in a hill. If planted with corn two or three seeds 15 feet apart each way will be sufficient. The pumpkin should be gathered from the vine with the stem attached. They should be kept in a warm, dry, well-ventilated place.

Japanese Pie. A crookneck variety. Similar in size and form to the well-known Cushaw, but the skin is a deep green with dark stripes, turning to a rich golden yellow. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; 1 lb., 90c.

Kentucky Field. A large, round, slightly ribbed, soft shell, salmon-colored pumpkin that is very productive and excellent for stock. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; 1 lb., 60c; 10 lbs., \$5.00.

Large Cheese. A very productive, large, orange-colored field pumpkin; a little deeper than round and slightly flattened. Extensively grown between corn for stock-feeding; it also makes good pies. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; 1 lb., 60c; 10 lbs., \$5.00.

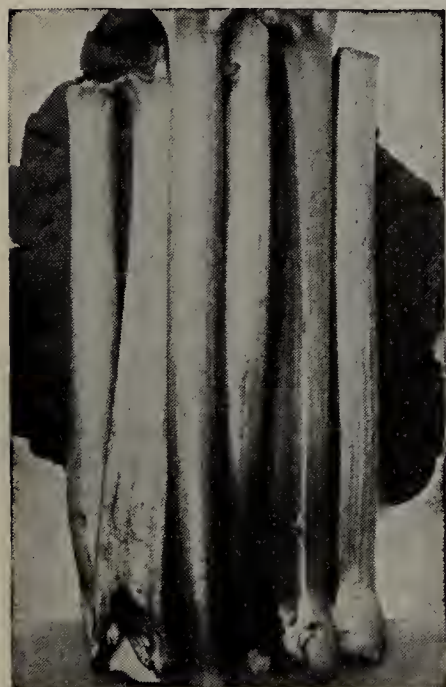
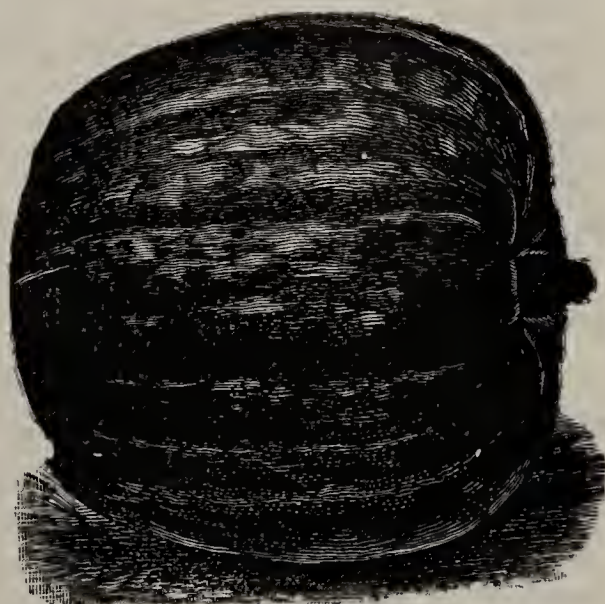
Mammoth King or Potiron. The best large pumpkin in use. Forms immense globular shape, flattened a little at the end. Skin reddish yellow in color and flesh rich orange. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; 1 lb., \$1.25.

Small Sugar. This variety is small, but of most excellent quality for pies. The fruits are deep orange, eight to ten inches in diameter, round or somewhat flattened and slightly ribbed. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; 1 lb., 90c.

Tennessee Sweet Potato. A good variety for making pies and other cooking purposes. It is medium size, of a white creamy color. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 35c; 1 lb., \$1.00.



Small Sugar



RHUBARB
(Rharbarber)

RHUBARB (Pie Plant)

One ounce will sow 125 feet of row.

Rhubarb, also known as Pie Plant, is the earliest spring vegetable and is grown for its leaf stalks which are extensively used for pies and sauce.

Rhubarb succeeds best in deep, somewhat retentive soil and the richer this is and the deeper it is stirred, the better. Sow in drills an inch deep and thin out the plants to six inches apart. In the fall transplant into very highly manured and deeply stirred soil, setting them 4 to 6 feet apart each way and give a dressing of coarse manure every spring. The stalks should not be plucked until the second year. When a blossom appears, it should be cut back well into the ground and the plant never allowed to exhaust itself by running to seed.

Myatt's Victoria. A splendid early sort. Stalks are large, very thick, of rich red color. Very juicy, tender and almost stringless. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 35c; 1 lb., \$1.00.

RHUBARB ROOTS

Strong roots, two years old, which, if planted in good soil early in the spring, will make a strong growth and yield stalks for market the following spring. The plants increase in size every year and will with proper care last for many years. Thick, luscious stalks shaded bright crimson. **Selected Roots.** 10c each; \$1.00 per dozen. By Parcel Post, add Postage. 5c each; 25c dozen for Postage.

RADISHES

One ounce will sow 100 feet of row; 8 pounds will sow an acre in drills; 12 pounds broadcast

CULTURE—Sow seed as early in Spring as ground can be well cultivated, in drills 10 to 12 inches apart; thin out to 1 inch apart for small, 2 to 4 inches for large varieties. Soil should be rich, light and well pulverized. Continue sowing every week or ten days for continuous crop. Quick growth insures good quality; they mature in from 18 days to 4 or 5 weeks, according to variety; winter varieties should not be sown until August.

THE EARLIEST ROUND SORTS

Early Scarlet Turnip White Tip (Sparkler). A very handsome and attractive radish of a rich, carmine scarlet color and tipped white. It is invaluable for forcing or for open air growing and always a big demand for this fine variety. Its flavor is excellent and its qualities have made it stand out above the ordinary varieties for market growing. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 70c.

Fire Ball. It is a “Fire Ball” both in growth and appearance and radishes in 21 days from the time of planting is the unrivaled record held by this fine strain. Rich, crisp, brittle flavor. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 70c.

Early Scarlet Globe. The interior of the root is pure white, mild, crisp and fine grained. Its season is rather short, and it must be pulled reasonably soon after maturity. Recommended for the market garden or for green house forcing. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 70c.

Philadelphia White Box. This famous white turnip-shaped or globe-shaped radish is the foremost of its class. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 70c.

St. L. S. Co.’s Crimson Giant. It is round, bright crimson, attaining a maximum size before becoming pithy, of one and three-quarter inches long by one and one-quarter inches in diameter. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 70c.

EARLY OVAL AND LONG SORTS

French Breakfast. An old reliable standard sort, ready for use within 25 days after sowing seeds. Oblong shape, mild and tender. The skin is a lively pink in color on the upper portion, but lower part is pure white. Does well outside or under glass. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 70c.

Long Scarlet Short Top. This is another well known established sort with long, bright scarlet roots 6 or 7 inches long, with small top. Brittle and crisp. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 70c.

Iceicle. Our strain of Iceicle is excellent as well as profitable and used for either forcing or outdoor planting. A fine variety for market and private gardeners. Pkt., 5c; oz., 10c; ¼ lb., 25c ;1 lb., 70c.



Radish White Box



Long White Strassburg



Early Scarlet Turnip White Tip (Sparkler)

White Strassburg. Even when comparatively small this variety is in good condition for use and continues crisp until matured. The roots are rather thick at the shoulder and are usually somewhat tapering. This is one of the best large, white later summer sorts. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 65c.

PRICE ON RADISH—Delivery Charges Extra

	10 lbs. or over
	per lb.
Scarlet Turnip. White tipped (Sparkler)....	\$0.50
Early Scarlet Globe.....	.55
Fire Ball.....	.55
Philadelphia White Box.....	.55
Crimson Giant.....	.60
French Breakfast.....	.50
Long Scarlet, Short Top.....	.50
Iceicle .....	.60
White Strassburg.....	.50

RADISH (Continued)

WINTER RADISHES

Generally sown around July 1, the same as turnips. The Chinese type develops most rapidly, while the Spanish sorts require about 3 months to reach full size, but they keep well.

Rose Colored China. Root long, of a fine scarlet color. Extremely solid and a most excellent keeping variety. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c.

Long Black Spanish. 8 or 9 inches long, and 2½ or 3 inches thick at the top, black skin with solid white flesh. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c.

Round Black Spanish. Good specimens are almost round and measure 3 to 4 inches through. Skin black, flesh white, solid and pungent. A fine keeper. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c.

White Chinese, or Celestial. Roots cylindrical, and when fully developed are 6 to 7 inches long and 2 inches thick. Solid, crisp and of a mild flavor. Skin and flesh pure white. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c.

White Spanish. Very solid and tender. The best white radish for late fall planting; largely used by our market gardeners. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c.



SPINACH

In recent years people have learned how to cook spinach properly and have found that it is one of our most appetizing dishes. It is also a very important source of vitamins and is included in nearly all health menus. When the spring craving for greens is insistent, a row of spinach in the home garden will satisfy it perfectly.

Sow in rows 16 to 20 inches apart and thin to 6 inches apart in the row when leaves are an inch wide. In the North, seed can be planted as soon as the ground can be prepared. In the South, spinach will winter over with little or no protection. The soil should be as rich as practicable to increase the size and quality of the leaves.

Steaming is the best way of cooking spinach but, if this is not possible, use only the water that clings to the leaves after washing and keep the pan tightly covered. In any case, cook only for a short time and do not let it stand long before serving.

Bloomsdale Savoy-Leaved, Reselected. Best for fall, but if sown very early in the spring will produce a good crop. This early, productive variety produces large, glossy, dark green leaves, crumpled or blistered, very thick and of great substance. The most largely grown spinach. Has a tendency to bolt to seed in warm weather. Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 45c.

Giant Leaved Nobel. The seed of this thick leaved variety produces the largest spinach under cultivation. They grow rapidly and remain in good condition a long time. The medium-green leaves are large, rounded, slightly crumpled, succulent, and tender. Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 45c.

Juliana. This variety is somewhat slower growing than others, but it is very long standing. It is ideal to plant for succession with an earlier sort. The leaves are medium size and much blistered; the color is rich deep green. Stems are short, and the plants make compact growth. Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 45c.



Long Standing Bloomsdale. An excellent second-early variety with small plants growing close to the ground, very dark green, thick, somewhat crumpled leaves; almost as crumpled as the Savoy-leaved. Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 45c.

Virginia Blight-resistant Bloomsdale Savoy. A distinct strain of American origin selected and propagated from plants that show a blight-resisting vigor under actual blight conditions where ordinary strains of seed could not be successfully grown. Best suited for fall crop. Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 45c.

New Zealand. Spinach in type and that it thrives during hot weather and in any soil, rich or poor. The tender shoots are of good quality and may be cut throughout the summer. The plant becomes very large and spreading. Plant three or four seeds in hills two feet apart each way. Germination of the seed can be hastened by soaking in warm water 24 hours. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 65c.

PRICES ON SPINACH—Delivery Charges Extra

	10 lbs.	25 lbs.	100 lbs.
Bloomsdale Savoy	\$2.00	\$4.50	\$17.00
Juliana	2.00	4.25	16.00
Long Standing Bloomsdale ..	2.00	4.50	17.00
Giant Leaved Nobel	2.00	4.50	17.00
New Zealand	5.00	...	...

SALSIFY OR OYSTER PLANT

One ounce will sow 50 feet of drill

HOW TO GROW SALSIFY—Sow early in the spring in drills fifteen inches apart, one inch deep; thin to six inches in rows. Cultivate the same as carrots or parsnips. It is hardy; can remain in the ground all winter for early spring use, but should be taken up before starting growing; take up a supply for use during the winter. Succeeds best in a light, well-enriched, mellow soil. Used the same as carrots; or, after having been boiled it may be made into cakes and fried like oysters, which it resembles in flavor.

Mammoth Sandwich Island.

The best variety. Grows to a large size and is very mild and delicately flavored. Grown extensively by gardeners and truckers everywhere. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 60c; 1 lb., \$2.00.



SORREL

The improved varieties of sorrel when well grown and cooked like spinach make a palatable dish. Sow in rows early in the spring and thin the seedlings to 6 or 8 inches apart in the row. One may begin cutting in about 2 months and the plants will continue in full bearing from 3 to 4 years.

Large Leaved French. The best garden variety, having large, pale green leaves of fine quality. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 50c; 1 lb., \$1.50.

SUNFLOWER

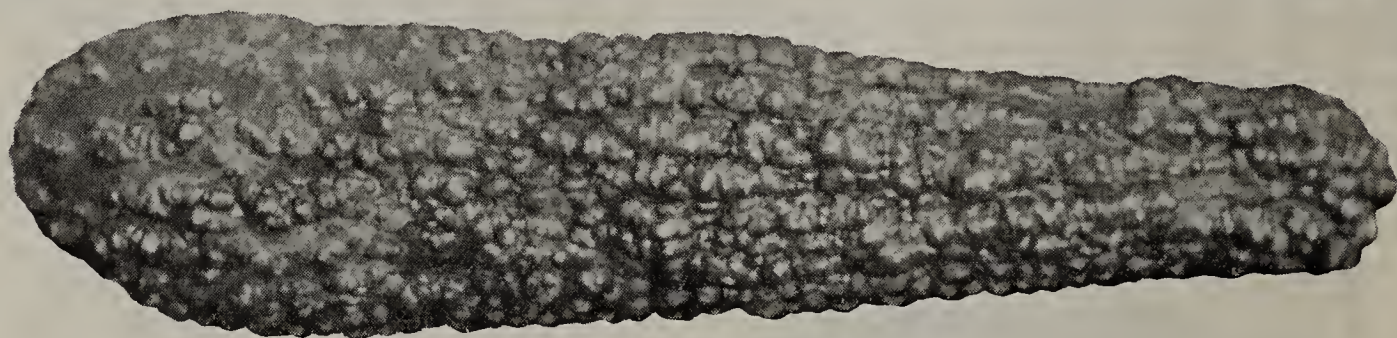
Mammoth Russian. A variety bearing giant sized heads commonly 12 to 20 inches in diameter. 1000 pounds of seed per acre is not an unusual crop. It is used for poultry feeding and as such is of very good quality. The soil and cultural requirements are very similar to those of corn. Pkt., 5c; 1 lb., 15c; 10 lbs., \$1.00.

SQUASH

One ounce will plant 20 hills; 2 to 3 lbs., an acre.

There are two distinct classifications of squash which, owing to their habits of growth and difference in character, are generally referred to as "Summer" and "Winter" Squashes.

A warm, light, rich soil is best. They may be enriched by mixing a shovelful of commercial fertilizer thoroughly with the soil in each hill. As Squash plants are very tender and sensitive to cold, plantings must not be made until settled warm weather, about May 5th. Summer varieties should be planted in hills 4 to 6 feet apart each way, winter varieties 8 to 10 feet apart each way.



Giant Summer Straightneck

Mammoth White Scallop Bush. The plant is strictly bush in habit and bears creamy white patty-shaped fruits which are symmetrically scalloped. The flesh is milk-white, firm and smooth and is richly flavored. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 35c; 1 lb., \$1.00.

Cocozelle. This bush variety, sometimes called "Italian Vegetable Marrow", produces oblong squashes often a foot in length, handsomely mottled, dark and light green, and the flesh is of extremely good quality. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 35c; 1 lb., \$1.00.

Hubbard. The most extensively grown winter squash. Is perfected in 100 to 110 days. The 12 or 14 pound fruits are spherical in shape, very dark green and somewhat warted. They have very thick, bright yellow flesh that is fine grained and richly flavored. It is an excellent home garden sort and keeps perfectly all winter. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 50c; 1 lb., \$1.65.

Giant Summer Straightneck. A selection from the Giant Yellow Summer Crook Neck Squash with

all the good qualities of the former and none of its defects. There will be found in the new strain a small percentage that are not Crook Necks or Giant. The squashes are a deep orange color, heavily warted and when mature measure from 15 to 18 inches in length. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 45c; 1 lb., \$1.25.

Giant Yellow Summer Crook Neck. Valuable for early crop, and the best and richest summer bush squash; skin bright yellow, and when true, covered with warty excrescences, the shell becoming exceedingly hard when ripe. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 35c; 1 lb., \$1.00.

Improved Striped Cushaw. It is of a beautiful variegated coloring, producing stripes of a mottled effect. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 45c; 1 lb., \$1.25.



TOMATO

One ounce will produce about 1,000 plants

Everyone who plans a garden should reserve a part of it for tomatoes so that the family can have a fresh supply during a long season. No other cultivated plant bears so long and so productively, and no other fruit carries within it greater health bringing elements. The tomato flourishes best in warm, light soil, moderately rich. For early use sow $\frac{1}{8}$ of an inch deep in January or February in a hot-bed, or if only a few plants are wanted, they may be sown in a window box. In order to get the plants strong and stocky, they should be transplanted when 2 to 3 inches high, and a second transplanting later on will add greatly to their stockiness. When all danger of frost has passed, set out in the open ground in rows 3 feet apart, leaving the same distance between the plants, and if convenient, furnish a



support for the vine. For later crops sow in the open ground as above directed. Tomatoes succeed so much better when they are supported by stakes, or trained to a trellis, that we strongly recommend all amateur growers to adopt the latter method in their gardens. A great deal of room can be saved, and rotting of the fruit almost entirely prevented. The trellis should be made about $4\frac{1}{2}$ feet high, with horizontal slats not more than 18 inches apart. The posts must be firmly set in the ground, as the weight when the vines are in full bearing is greater than might be supposed. Regular spraying with Bordeaux will prevent blight, which otherwise is liable to seriously injure the vines.

EARLY SORTS

Bonny Best. This variety is a favorite for forcing; just the size wanted (round) color rich scarlet red, very smooth, fruit set in bunches and in great abundance. Everything is in its favor for a forcing Tomato. 95 days. Pkt., 10c; $\frac{1}{2}$ oz., 20c; oz., 35c; $\frac{1}{4}$ lb., \$1.00; 1 lb., \$3.50.

Earliana (The Earliest Red Tomato). The plants are of compact growth, with short, close-jointed branches, setting the fruit very freely in the center. The Tomato is of uniform size, averaging three inches in diameter, and from 2 to $2\frac{1}{2}$ inches in depth. Solid. 90 days. Pkt., 10c; $\frac{1}{2}$ oz., 20c; oz., 35c; $\frac{1}{4}$ lb., \$1.00; 1 lb., \$3.50.

Early Detroit. The largest and best of the early purplish pink Tomatoes. Vine vigorous and very productive. Fruits very smooth, uniform in size, nearly globe-shaped; firm, and excellent quality. 90 days. Pkt., 10c; $\frac{1}{2}$ oz., 20c; oz., 35c; $\frac{1}{4}$ lb., \$1.00; 1 lb., \$3.50.

Break O'Day. A tomato, developed by Dr. Fred J. Pritchard of the Dept. of Agriculture. Break O'Day is a cross between Marvanno and Marglobe, and the fruit is the same color, shape and size and solidity as Marglobe, but is ten to twelve days earlier than Marglobe. Break O'Day will mature along with Bonny Best and other early varieties. It is a heavy yielder, globe shaped with few seeds. 90 days. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 45c; $\frac{1}{4}$ lb., \$1.50; 1 lb., \$5.00.

Gulf State Market. Particularly valuable for shipping. Fruits purplish-pink; large and of uniform size; globe-shaped; smooth and firm. 95 days. Pkt., 10c; $\frac{1}{2}$ oz., 20c; oz., 35c; $\frac{1}{4}$ lb., \$1.00; 1 lb., \$3.50.

Scarlet Topper. Wilt resistant, of the type of plant known as self-topping or self-pruning. Midseason to late and a heavy cropper. Fruits globe-shaped, deep scarlet, smooth, and solid. A good home and market variety and very popular for shipping. 95 days. Pkt., 10c; $\frac{1}{2}$ oz., 35c; oz., 65c; $\frac{1}{4}$ lb., \$2.25; 1 lb., \$8.00.

Dwarf Stone. A most productive Dwarf Tomato, producing a high yield of mammoth fruits. The tomatoes average 4 inches in diameter and are about $3\frac{1}{2}$ inches thick. They are juicy, fleshy, and contain comparatively few seeds. The color of the skin is vivid scarlet. 95 days. Pkt., 10c; $\frac{1}{2}$ oz., 20c; oz., 35c; $\frac{1}{4}$ lb., \$1.00; 1 lb., \$3.50.



Break O'Day

TOMATOES (Continued)

SECOND EARLY OR MAIN CROP

Master Marglobe. Master Marglobe is now offered as the most important shipping strain so far developed. Master Marglobe fruits are uniformly deep globe shape. Important as is this factor in building a uniform pack, its most distinguished feature is the unusual interior solidity. The walls, in many cases, will be more than a quarter-inch thick. The cross sectors are so heavy that the seed cavities are reduced to a minimum. Days to maturity, 120. Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., \$2.00; 1 lb., \$7.50.

Marglobe. Of fine appearance, and great productivity. In color it is a most beautiful scarlet, ripening well up to the stem. "The Marglobe" has proven resistant to the disease. 110 days. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.00; 1 lb., \$3.75.

Livingston Globe. A large purplish, pink, globe-shaped or very nearly round tomato of excellent quality. The fruits are very smooth and mature a little earlier than most mid-season or main crop varieties. 110 days. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.00; 1 lb., \$3.50.

St. L. S. Co.'s Improved Excelsior. Is of a dark, glossy, purplish red, very large and very solid. This fruit is produced in clusters of four to six large and of perfect shape and retain this size until late in the season. 105 days. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.00; 1 lb., \$3.50.

Louisiana Pink. Wilt-resistant. Our seed is grown from stock developed by the Louisiana Experiment Station and bred for its special wilt-resistant qualities. Fruits are medium-early, smooth-fleshed. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.00; 1 lb., \$3.50.

SMALL-FRUITED TOMATOES

Preserving Tomatoes

The list below includes all of the popular miniature fruited sorts. They are all enormous croppers and without exception make delicious and attractive preserves.

Peach. Size, shape and color of a peach. Pkt., 10c; ½ oz., 30c; oz., 50c.

Red Cherry. A miniature tomato chiefly grown in the home garden for use in preserves. They mature in 70 days to a uniformly round shape and even size. Fruit of a scarlet-red color, tough skin and firm mild flesh. Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.25.

Red Pear. This attractive small fruit is extensively used for preserves in various ways. They are ripe in 70 days and have a bright red color, thin skin, a pear shape and are very well flavored. Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.25.

Yellow Pear. A decorative tomato similar to Red Pear except in the color which is a rich, clear yellow. Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.25.

Yellow Plum. A profusion of small plum-shaped fruits. They are of a clear deep yellow color with a yellow flesh that is mildly flavored. Chiefly grown in home gardens and used for preserves. Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.25.

Husk or Ground Cherry. A favorite canning or preserving variety. Pkt., 10c; ½ oz., 30c; oz., 50c.

Golden Ponderosa. This is a yellow Ponderosa equal in size to that magnificent variety. Sliced and served with the Purple Ponderosa, it makes a highly decorative and appetizing salad. Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.25.

Ox Heart. A late large fruited variety of distinct appearance and perfect quality. Heart-shaped, rosy pink, and very solid fleshed, with few seeds. Mildly acid and of pleasing flavor. Home gardeners have given this new variety an enthusiastic reception. 90 days. Pkt., 10c; ½ oz., 35c; oz., 65c; ¼ lb., \$2.25; 1 lb., \$8.00.

Mammoth Large Red. This famous variety is enormous both in size and yield, it being one of the largest smooth, round, red Tomatoes. Clear, bright red color. Flesh is thick and heavy. One of the best for late summer crop. 120 days. Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.25; 1 lb., \$4.50.

Ponderosa. (Also known as Beefsteak). One of the best for home use. Fruits deep purplish-pink; extremely large, commonly 9 to 12 ounces each; deep but flat; very fleshy with few seeds; of very mild flavor; matures in 95 days. Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.40; 1 lb., \$5.00.

Stone. The fruits are bright deep scarlet, oval and very deep, exceptionally smooth and uniform in size. Our stock is distinctly superior to most of that offered under this name, being larger, smoother, more uniform and better colored. 98 days. Pkt., 10c; ½ oz., 20c; oz., 30c; ¼ lb., 85c; 1 lb., \$3.00.

St. L. S. Co.'s Large Pink. A main late crop, pink-fruited variety. Fruit are very large, somewhat flattened and quite smooth considering the large size. The tomato is solid and meaty, setting in clusters of about 5. Vine is of open, medium growth, light green in color. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.15; 1 lb., \$4.00.



TOBACCO

The seed should be sown as early as possible after danger of frost is over. It is customary to burn a quantity of brush and rubbish in the spring on the ground intended for the seed bed; then dig and pulverize the earth and mix with the ashes, after which the seed may be sown and covered very lightly. When the plants are about 6 inches high, transplant into rows 4 by 4 feet apart each way. Cultivate thoroughly with plow and hoe.

Missouri Broad Leaf. A well-known standard sort; very large yielder. Pkt., 10c; $\frac{1}{2}$ oz., 20c; 1 oz., 35c.

White Burley. The standard main crop variety which produces one of the most fashionable types for cutting. Pkt., 10c; $\frac{1}{2}$ oz., 20c; 1 oz., 35c.

Havana. The leading smoking variety. Commands a high price for cigar stock. Pkt., 10c; $\frac{1}{2}$ oz., 20c; 1 oz., 35c.



Mo. Broad Leaf

TURNIP

One ounce will sow 200 feet of drill one to two lbs. for an acre

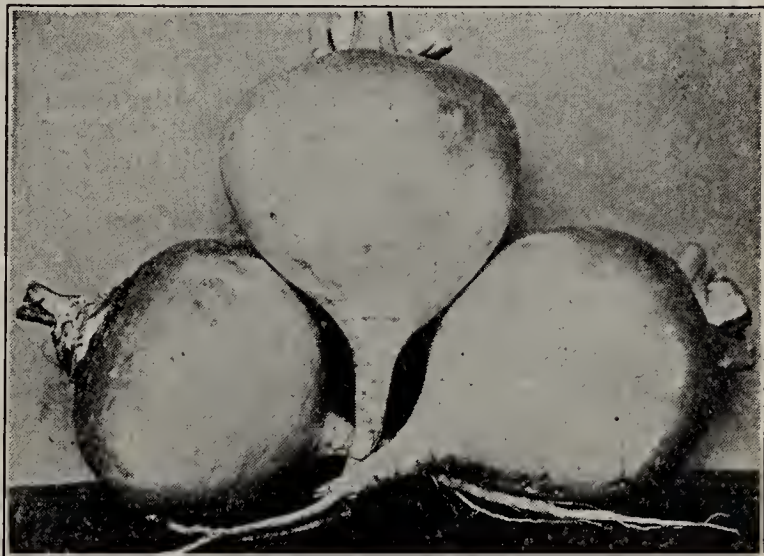
CULTURE—For early sow seed of flat varieties in open ground in spring in drills one foot or more apart, using seed sparingly. Thin to 3 or 4 inches apart. For succession sow every two weeks until June. For fall and winter sow in July and August. A good crop may often be grown by scattering seed thinly in the cornfields at last cultivation. Take up roots just before winter, top and store in cool cellar, or pit outdoors.

Extra Early Purple Top Milan. Fully a week earlier than any variety. Flat and smooth; of medium size. Pure white flesh of choice quality. A good keeper. Pkt., 5c; $\frac{1}{4}$ lb., 25c; 1 lb., 60c.

Purple Top White Globe. One of the best table varieties on account of its good size and very attractive appearance. When the roots are about 3 inches in diameter they are best for table use but they may be grown much larger for stock feeding. The roots are dark purplish-red above ground and white below. The flesh is white, fine grained and tender. For an early variety this sort keeps very well. Pkt., 5c; $\frac{1}{4}$ lb., 20c; 1 lb., 50c; 10 lbs., \$4.50.

Purple Top Flat Strap Leaf. A very early strap-leaved variety very extensively used for the table. The leaves are few, entire, upright in growth. The roots are flat, of medium size, purple or dark red above ground, white below. Pkt., 5c; $\frac{1}{4}$ lb., 20c; 1 lb., 50c; 10 lbs., \$4.50.

White Globe. The King of all mammoth white Turnips. Immense white, globe-shaped roots. Considering the size it matures early. A very good autumn variety. Pkt., 5c; $\frac{1}{4}$ lb., 25c; 1 lb., 65c.



Purple Top White Globe

Yellow or Amber Globe. Is the staple yellow Turnip both for table and for feeding stock. Heavy cropper and keeps well. Pkt., 5c; $\frac{1}{4}$ lb., 25c; 1 lb., 60c.

Seven Top, for Turnip Greens. An abundant yield of tops is obtained from this seed. The plants are sufficiently hardy to continue growth throughout the winter. A favorite green feed for stock and are extensively planted as a pasture crop. Pkt., 5c; $\frac{1}{4}$ lb., 20c; 1 lb., 50c.

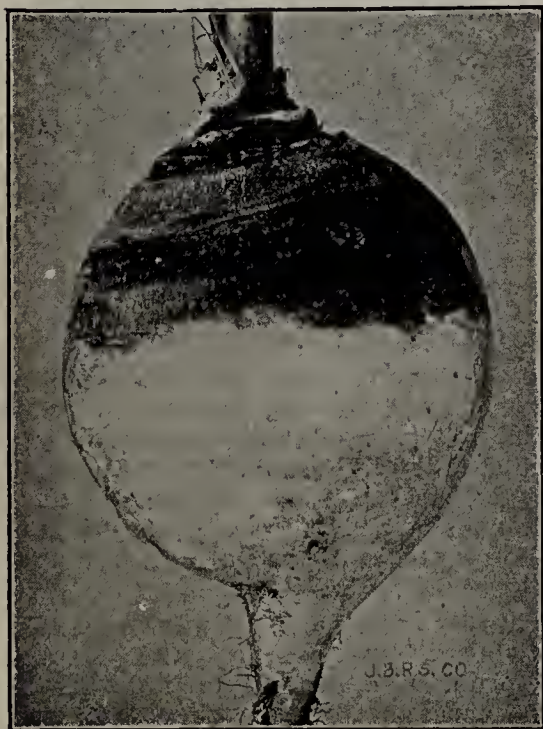
RUTABAGA or SWEDE

Although closely related to the turnip, and much the same in value and uses, Rutabagas are quite different in many ways. They grow to a much larger size, are firmer in flesh, milder in flavor and are better adapted for winter storage. They require a longer growing season than turnips and need more moisture.

Seed may be sown from mid-July to mid-August in rows $2\frac{1}{2}$ to 3 feet apart. The culture is practically the same as for turnips except that the plants should be thinned to 8 or 10 inches apart in the rows.

When the roots are full grown they should be pulled, topped and stored in a cool cellar or pit, for winter use. If kept cool and sufficiently moist to prevent withering they will remain in prime condition all winter.

American Purple Top. A hardy productive variety; roots are large, globular in form, with a very small tap root; color, bright yellow with a purple top; flesh very solid, tender and sweet. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; 1 lb., 60c; 5 lbs., \$2.50.



Rutabaga

VEGETABLE PLANTS

Plants sent by express, purchaser paying charges.

Please Note: All vegetable plants on this page are grown especially for us, are in stock at our store and are strong, transplanted plants.

ASPARAGUS ROOTS

Extra-choice Two-year Roots

	Doz.	4 Doz.	1000
Washington, rust-proof.....	\$0.25	\$0.90	\$11.00
(By Parcel Post, add 5c Doz. Postage)			

RHUBARB ROOTS

When only a few plants are required, we would suggest the purchase of roots instead of seed. Transplant roots in Fall, or Spring, in highly manured soil, setting them 4 to 6 feet apart each way. Do not pull stalks until second year after transplanting roots.

	Each	Doz.
2-year-old.....	\$0.10	\$1.00
(By Parcel Post, add 5c ea. or 25c per doz.)		

HORSERADISH SETS

Horseradish Roots. The soil should be very rich and well cultivated. 12 for 15c; 4 doz. for 50c; 100 for \$1.00; 1000 for \$6.00.

(By Parcel Post, add 10c per 100 postage.)

SWEET POTATO PLANTS

	50	100	1000
Sweet Potatoes. Red, Yellow and White.....	\$0.25	\$0.45	\$4.00
Ready May and June.			
(By Parcel Post, add 15c per 100.)			

If Frost-Proof Onion Plants are wanted write for price.

STRAWBERRY PLANTS

Plants Ready April, May and October

Strawberry plants are not in stock, but are sent direct to you from the nursery.

NOTICE:—Varieties marked "S" are Staminate Perfect Flowering and Bi-Sexual. Varieties marked "P" are Pistillate and destitute of stamens, so when planting those marked "P" it will be necessary to have every third row a Perfect Flowering or "S" variety to properly fertilize the bed; by so doing you obtain much finer fruit.

Excelsior. (S) Early. Plant a vigorous grower, tough and hardy, and very productive. Fruit large, conical. Color dark glossy red; excellent flavor.

Senator Dunlap (S) Medium. The Senator Dunlap is one of the old standbys among strawberry varieties. It is grown under more conditions and by more people than any other variety. The berries are of high quality and handsome appearance.

Warfield (P) Medium. The Warfield has had a popularity that comes to few varieties. The beautiful, cone-shaped berries have a fadeless dark red interior that makes a strong appeal wherever seen.

Klondyke (S). Of large and uniform size, fine form and color.

Aroma (S) Late. The Aroma is one of the best late varieties for both northern and southern sections. It is the one variety that comes nearest to being fitted for both the North and South.

Gandy (S) Late. Very productive, fruit large and a good keeper.

All varieties, 25 for 40c; 100 for 75c; 1000 for \$6.00.

Cabbage Plants. Plants should be set about 2½ to 3 feet apart each way. April and May delivery.

	25	50	100
Wakefield	\$0.20	\$0.35	\$0.60
Golden Acre.....	.20	.35	.60
All Season.....	.20	.35	.60

(By Parcel Post, add 10c per 100 for Postage.)

Caullflower Plants. April and May Delivery. Plant should be set 2½ to 3 feet apart each way.

	Doz.	4 Doz.
Cauliflower, Ea. Dwarf Erfurt.....	\$0.10	\$0.35
	25	50
Kohl-Rabi.....	\$0.20	\$0.35
		100

(By Parcel Post, add 10c per 100.)

Tomato Plants. We make a specialty of growing tomato plants and can furnish the following varieties after May 10 in fine, strong stocky plants. Ready May and June.

	Doz.	4 Doz.	8 Doz.
Tomatoes—Ponderosa	\$0.15	\$0.50	\$1.00
Improved Excelsior .....	.15	.50	1.00
Dwarf Stone .....	.15	.50	1.00
Stone .....	.15	.50	1.00

(By Parcel Post, add 15c per 100 for Postage)

Pepper. Ready for May and June.

	Doz.	4 Doz.	8 Doz.
Pepper—Bell or Bull Nose...	\$0.15	\$0.50	\$1.00
Chinese Giant.....	.15	.50	1.00
Red Cayenne.....	.15	.50	1.00

(By Parcel Post add 5c Doz. Postage)



Senator Dunlap (S) Medium

EVERBEARING STRAWBERRIES

Mastodon. The Mastodon, which was just recently introduced, is a fall bearing variety of great promise. This variety should give excellent results throughout the northern half of the country, especially where water can be applied during dry weather and where special attention can be given to the plants. 12 for 65c; 25 for \$1.25; 100 for \$2.75.

Progressive. This is the most wonderful ever-bearing strawberry. A healthy and strong grower; very productive, from June until freezing weather; succeeds well anywhere. 25 for 60c; 100 for \$1.25; 1000 for \$8.50.

FARM AND FIELD SEEDS

"PURE AND SURE SEEDS"—BIGGER AND BETTER CROPS

ST. LOUIS SEED COMPANY'S SELECTED SEED CORN

Bu.
56 Lbs.

Extra charge for Bags; 1 bu. cotton,
15c; seamless bags, 20c.

Bu.
56 Lbs.

GRADED SEED CORN

We carefully grade all seed corn which we send out, removing the extreme tip and butt kernels so that it is readily planted with edge-dropping planters. But the grading is only a part of the labor which we give to the production of good corn seed. It is gathered early and stored in seed corn house, and only those absolutely true to type and strong vitality are shelled for seed purposes.

Champion Early White Pearl. (90 days) This is the earliest snow white Dent corn. Grown extensively by gardeners for roasting ears. It is an immense yielding variety and very uniform in shape, size, etc., and therefore, its great market demand. 5 lbs., 30c; 15 lbs., 65c; 25 lbs., 90c; 56 lbs., (1 bu.), \$1.65.

Pride of the North. (90 days). The great favorite of the extreme Northern States and a most useful variety where a late planting is necessary. The ears run from seven to nine inches long, with small cob and deep kernels; ears usually contain from fourteen to eighteen rows; will ripen and mature anywhere in ninety days. 5 lbs., 30c; 15 lbs., 65c; 25 lbs., 90c; 56 lbs., (1 bu.), \$1.65.

Iowa Silver Mine. (100 days). This is not a new variety, but is one of the best-known sorts, on account of its great popularity and wonderful record. It is noted for its great vitality to withstand and resist extreme conditions of weather, wet or dry; also hot weather. Stalks grow 8 to 10 feet in height and ears set well down toward the ground. 5 lbs., 30c; 15 lbs., 65c; 25 lbs., 90c; 56 lbs., (1 bu.), \$1.65.

St. L. S. Co.'s White Star. (110 days) This wonderful white dent corn is known, grown and more extensively planted than any White Corn. It is adapted to a wide range of conditions, and a variety that always, everywhere gladdens the hearts of the farmers and fills his cribs at harvest time. 5 lbs., 35c; 15 lbs., 70c; 25 lbs., \$1.00; 56 lbs., (bu.), \$1.75.

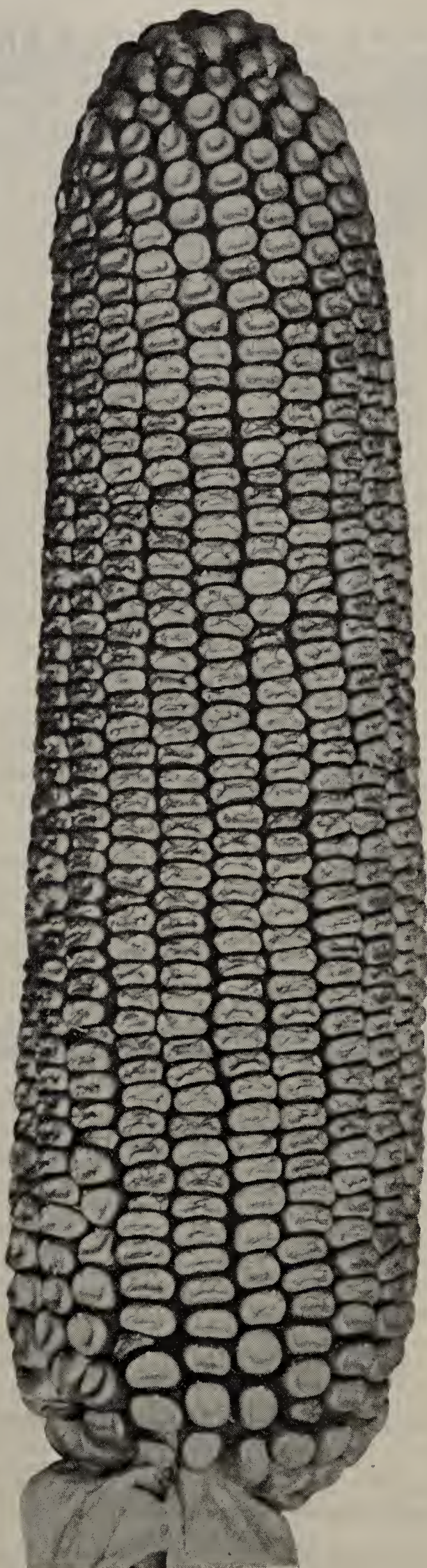
Reid's Yellow Dent. The Most Popular Yellow Dent Corn in the Great Central Corn Belt. (110 days) The Reid's Yellow Dent Field Corn has been bred up and selected with painstaking care to what is at the present time—one of the best varieties of yellow corn grown. Ear medium in size, remarkably uniform, and of a bright yellow color, with solid, deep grain and small red cob. Has from 18 to 24 rows of kernels on the cob. 5 lbs., 30c; 15 lbs., 65c; 25 lbs., 90c; 56 lbs., (bu.), \$1.65.

Gold Bond. It has been bred up and selected to one of the best varieties of yellow corn grown. For medium in size, remarkably uniform, and of a bright yellow color, with solid, deep grain and small red cob. Has from 18 to 24 rows of kernels on the cob, 50 to 60 grains in the row. 5 lbs., 35c; 15 lbs., 70c; 25 lbs., \$1.00; 56 lbs., (bu.), \$1.75.

St. Charles White, Red Cob. (120 days) This excellent variety was introduced in St. Charles County, Missouri, and is very popular with a large number of our customers, especially in that vicinity, where plantings are made every year. It is a very handsome, pure variety of white corn, set on a red cob and the ears are usually 8 to 10 inches long, 16 to 18 rows of deep, broad kernels. 5 lbs., 30c; 15 lbs., 65c; 25 lbs., 90c; 56 lbs., (1 bu.), \$1.65.

POP CORN, See Page 38

Treat your seed corn with SEMESAN JR. Cost less than 3c per acre.



Reid's Yellow Dent

ST. LOUIS SEED CO.

RECLEANED FARM SEEDS

Bags extra at cost. Seamless, 20c each.

ALL PRICES ON FIELD SEEDS ARE SUBJECT TO MARKET CHANGES. ALL ORDERS FILLED TO THE AMOUNT OF REMITTANCE AT MARKET PRICES WHEN ORDER IS RECEIVED.

	1 lb.	10 lbs.	100 lbs.
ALFALFA			
Kansas—extra fine .....	.25	\$1.85	\$15.50
Utah—Northwestern .....	.25	2.25	16.50
Oklahoma .....	.20	1.65	13.50
Grimm—Idaho Blue Tag .....	.35	2.85	24.50
SWEET CLOVER			
White Blossom scarified .....	.15	1.00	6.00
White Blossom unhulled .....	.10	.85	4.50
Yellow Blossom scarified .....	.15	1.00	6.00
RED CLOVER			
Fancy extra recleaned .....	.25	1.80	14.00
Mammoth Sapling .....	.25	2.00	16.00
ALSIKE			
Fancy extra .....	.25	1.80	14.00
LESPEDeza			
Korean .....	.15	1.00	7.00
Japan .....	.15	1.00	6.50
CRIMSON CLOVER			
Fancy Recleaned .....	.20	1.45	10.50
WHITE-DUTCH CLOVER			
White Dutch for lawns—extra .....	.50	4.50	36.00
GRASSES			
Red Top—fancy recleaned .....	.20	1.50	9.00
Timothy—fancy recleaned .....	.15	1.00	4.25
Orchard Grass—recleaned .....	.20	1.45	9.50
Pasture Mixture for low land .....	.20	1.40	9.00
Pasture Mixture for upland .....	.20	1.35	8.50
Sudan Grass .....	.10	.85	4.50
LAWN GRASSES			
Bermuda .....	.30	2.60	17.50
Canada Blue—extra fine .....	.25	2.00	15.00
Kentucky Blue—extra fine .....	.25	2.00	15.00
Havalawn Mixture—extra fine .....	.25	2.00	16.00
Red Top—extra fine .....	.20	1.50	9.00
Quick Result Mixture .....	.20	1.50	12.00
Meadow Fescue .....	.20	1.50	12.00
Rye Grass .....	.15	1.25	6.00
(other grasses—see page 3)			
COW PEAS	1 lb.	10 lbs.	per bu.
Whip-poor-will .....	.10	.60	
New Era .....	.10	.60	
Fancy Mixed .....	.10	.60	
SOY BEANS			Write for Price
Manchu—Early Yellow .....	.10	.60	
Virginia Early Brown .....	.10	.60	
Illini .....	.10	.60	
Black .....	.10	.60	
Mixed—for hay .....	.10	.60	
RAPE			per 100 lbs.
Dwarf Essex .....	.15	.75	\$5.00
MILLET			
German Fancy .....	.10	.50	2.50
RYE			
For Seed .....	.05	.50	1.75
VETCHES			
Hairy Winter .....	.15	1.45	11.00
OATS			per bu.
Rust Proof .....	.05	.30	.65
Early White .....	.05	.30	.65
Columbia .....	.05	.30	.70
MISCELLANEOUS			per 100 lbs.
Barley—common .....	.10	.50	2.25
Buckwheat—Japanese .....	.10	.50	2.25
Broom Corn .....	.15	1.25	.....
Cane Amber—fodder .....	.10	.30	1.75
Cane Orange—fodder .....	.10	.30	1.75
Canada Peas .....	.10	.85	5.50
Kaffir Corn—white .....	.10	.30	1.75
Hemp .....	.15	.85	4.75
Peanuts—Jumbo .....	.20	.....	.....
Sunflower—Russian .....	.15	.80	4.50
Millet—large yellow .....	.15	.80	4.50
Milo Maize .....	.10	.40	2.00
Pop Corn—Japanese Hulless .....	.10	.75	5.00



Ansul Formaldehyde Dust Treatment For Elimination of Oat Smut

1 lb., 50c; 5 lb. Can, \$1.50; 25 lb. Drum, \$4.50.

The only successful method of eliminating Oat Smut is to kill the germ on the seed. Since the oat hull is rough and contains many places for the smut germs to lodge, even between the kernel and hull, it requires an exceedingly fine or gas-containing dust to kill it.

DIRECTIONS FOR OAT SMUT CONTROL.

Use 2½ to 3 oz., or 6 tablespoonfuls, or an average sized hand full of Ansul Formaldehyde Dust for each bushel of grain. Mix the grain and the dust thoroughly, sack, and let stand over night.

DU BAY SEMESAN

More Vegetables and Better Flowers

Thru Controlling Diseases With SEMESAN

Prevent the many damaging diseases of flowers and vegetables that are carried on the seed, by disinfection of the seed with Semesan. It destroys the destructive diseases on the seed and protects them from the rots in the soil, which results in increased stands of more vigorous, healthy plants that yield larger, quality crops. Sprinkling of the seedling beds with Semesan solution effectively prevents damping-off. Recommended especially for seeds, bulbs, and gladiolus corms. Easily applied as a liquid or dust.



SEMESAN JR. for Corn	4-oz.....	\$.40	5-lb.....	\$ 7.00
	1-lb.....	1.50	25-lb.....	31.25
SEMESAN BEL for Potatoes	4-oz.....	\$.50	5-lb.....	\$ 8.00
	1-lb.....	1.75	25-lb.....	31.25
SEMESAN for Vegetables and Flowers	2-oz.....	\$.50	5-lb.....	\$13.00
	1-lb.....	2.75	25-lb.....	56.25
Ceresan, The Dust Disinfectant for Wheat, Oats, Barley, Rye, Millet, Sorghums and Cotton				
1-lb. tin.....	\$.75	25-lb. pail	\$12.50	
5-lb. tin.....	3.00	100-lb. drum.....	49.00	

Du Bay Seed Disinfectants are poisonous and owing to present Postal Regulations cannot be mailed but must be sent by express or freight.

Consult This Chart for the Correct
Du Bay Disinfectant for Each Kind of Seed

Name of Seed	Seed Treatment To Use	Quantity Needed	How Applied	Seed-Borne Diseases Controlled
CEREALS				
Barley	CERESAN	3 oz. per bu. seed	As a dust	Scab seedling blight, covered smut, barley stripe
Corn (Field)	SEMESAN JR.	2 oz. per bu. seed	As a dust	Seedling root-rots (Basisporium, Fusarium*, Diplodia, Gibberella)
Oats	CERESAN	3 oz. per bu. seed	As a dust	Scab seedling blight, loose and covered smuts
Rye	CERESAN	2 oz. per bu. seed	As a dust	Scab seedling blight, stem smut, stinking smut
Wheat	CERESAN	2 oz. per bu. seed	As a dust	Scab seedling blight, bunt or stinking smut, flag smut*
Soy Beans ¹	SEMESAN	2 oz. per bu. seed	As a dust	Seed rotting, leaf and pod-spot (Diaporthe sojae)
Beans ¹	SEMESAN	2 oz. per bu. seed	As a dust	Halo spot, angular leaf-spot, Diaporthe pod blight
Corn (Sweet)	SEMESAN JR.	2 oz. per bu. seed	As a dust	Seedling root-rots (Basisporium, Fusarium*, Diplodia, Gibberella)
Peas	SEMESAN or CERESAN	3 oz. per bu. seed	As a dust	Foot rot*, basal rot*, seed rotting
Potatoes (white)	New Improved SEMESAN BEL	1 oz. per 5 bu. seed	As a dip	Scab, Rhizoctonia, black-leg*
Potatoes (sweet) ⁴	Old Formula SEMESAN BEL	4 oz. per 5 bu. seed	As a dip	Black rot, scurf, stem-rot (sprout dip)
Other Seeds	SEMESAN	1 oz. per 15 lb. seed		Angular leaf-spot, Anthracnose
FLOWER BULBS Gladiolus	SEMESAN	2½ oz. per bu. bulbs	As a liquid	Scab, hard rot*, Fusarium rot*

*When ordering Semesan ask for booklet.

NITROGEN INOCULATOR

Fresh Each Year
Leads in High Germ Count

Alfalfa, Clovers,
Soy beans, Peas,
Cow Peas, Beans,
Vetch, Lespedeza

COSTS LESS—ALWAYS RELIABLE

When you buy NITRAGIN you BUY BILLIONS of FRESH Legume Germs—not just a package of inoculation. Germ Count and Expiration Date gives you double protection—and more for your money. Don't gamble—buy NITRAGIN.

EASY TO APPLY—WITH OR WITHOUT WATER

NITRAGIN is a granular MOIST soil-like culture packed in tins. If mixed well can be applied to seed without water, and good inoculation will result. However any inoculation will give more uniform results when water is used.

Remember, NITRAGIN can do anything claimed by other inoculators — and do it BETTER and CHEAPER.

NITRAGIN INOCULATION PRICES

When ordering, always specify kind of seed.

Alfalfa, All Clovers		Soy Beans, Cow Peas Lespedeza (Hulled)	
Size	Retail	Size	Retail
½ bu.	\$.50	1 bu.	\$.40
1 bu. ....	.90	2 bu. ....	.70
5 bu.	4.00	5 bu.	1.50
Peas, Vetch, Beans, Austrian Winter Peas		10 bu.	2.50
Size	Retail	Garden NITRAGIN for Peas, Beans, Sweet Peas	
½ bu.	\$.40	Inoculates from 1 oz. to 8 lbs. seed, Price 25c	
1 bu. ....	.60		
*1-2/3 bu. ....	.90		
5 bu.	2.50		
**100 lb. size." Packed only for Vetch and Aust. Pea.			

NITRAGIN Has Served the American Farmer Since 1898

FLOWER SEEDS FOR ROCKERIES AND ROCK GARDENS



In recent years no type of beautification has created a greater interest than rock gardening which is now practically universal. It must be admitted that this type of gardening is not out of reach of the average home owner. Anyone can build and plant a rock garden, if proper annuals and perennials are selected for the purpose.

When laying out a rock garden, it will help to study some natural rock formation. If a bank or terrace already existing is utilized, loosen it up with a pick axe and add more soil. Place the stones in position, but work the soil well around to prevent air spaces.

ANNUAL FLOWER SEED SUITED FOR ROCKERIES AND ROCK GARDENS.

ABRONIA UMBELLATA. Verbena-like rose colored flowers. Elegant trailing habit. 10 inches. Pkt., 10c.

AGERATUM. Blue Cap. New! Undoubtedly the best dwarf Ageratum yet offered. The flowers are much larger than those of Little Blue Star and of a deeper and richer blue. It also surpasses Blue Ball in dwarfness and compactness of habit. The foliage is small and the plants have the appearance of miniature domes. Ideal for edging, small beds, and rockeries. Pkt., 10c.

ALYSSUM—Miniature. Dwarf and compact growth, very free flowering, plants forming a perfect bouquet of miniature white flowers. 3 to 4 inches. Pkt., 15c.

Carpet of Snow. We know of no other white flower which is so particularly well adapted to borders. Pkt., 10c.

Lilac Queen. A distinct variety with lilac shaded flowers. The plants are of dwarf, compact growth. Pkt., 10c.

ANAGALLIS. (Pimpernel) Grandiflora. A very pretty annual of low spreading growth, 6 to 9 inches high, brilliant flowers in an unusual range of colors, including brilliant blue, scarlet, etc. Mixed. Pkt., 10c.

CYNOGLOSSUM. Amabile. An annual from China; of the easiest culture, forming strong plants 18 to 24 inches high and producing through the summer months sprays of intense blue Forget-Me-Not-like flowers. Pkt., 10c.

DIMORPHOTHECA AURANTIACA—African Golden Daisy. 1 foot. Rare and showy annual from South Africa, having daisy-like flowers of a glossy-salmon-orange shade mixed with black central ring, a lovely color when flowers open in the sun. Pkt., 10c.

ESCHSCHOLTZIA (California Popples). Beautiful and popular annuals, being of the easiest culture and giving great satisfaction.

	Pkt.
California Bright yellow	\$0.10
Carmine King. Carmine-rose .....	.10
Purple Glow .....	.10
Mixed, Pkt., 5c.	

LEPTOSIPHON—Hybridus. An easily grown annual, growing from 8 to 10 inches tall. It is suited for sunny places in borders. Pkt., 10c.

LOBELIA. The annual Lobelias are plants of dwarf, compact growth, 4 to 6 inches in height.

Crystal Palace Compacta. Large, and deep blue flowers and bronzy foliage; 4 inches. Pkt., 10c.

Florists' Favorite Compacta. Brilliant dark blue with white eyes. Very dwarf. Pkt., 10c.

Sapphire. Trailing Lobelias are also coming much into demand. This variety is of remarkable strong growth, the flowers show the wonderful deep blue of this gem. Pkt., 15c.

NEMESIA—Dwarf Mixed. A choice strain producing flowers of the largest size in rich and varied shades of color; 10 inches. Pkt., 15c.

PETUNIA—Dwarf Mixed. Plants compact growing. A choice mixture of many shades and colors. Very desirable for small beds. Pkt., 10c.

SANVITALIA. Procumbens Fl. Pl. An annual of dwarf compact growth; useful in masses in beds, or edges of borders, or in vases, baskets, etc. Showy bright yellow, double flowers; in bloom all summer. 6 inches. Pkt., 10c.

SCHIZANTHUS—Large-Flowered Mixed. As pretty as miniature Orchids. Forming compact pyramidal plants about 16 inches high, literally covered with large, beautiful orchid-like flowers. Pkt., 10c.

	1/4 Oz.	Pkt.
VERBENA—Mammoth Grandiflora	\$0.50	\$0.10
Blue .....	.50	.10
Lucifer. Cardinal Red .....	.50	.10
Rosea Stellata. Rose pink .....	.50	.10
Luminosa. Flame pink .....	.50	.10
Golden Queen .....	.50	.10
White .....	.50	.10
Purple Mantle .....	.50	.10
Mixed .....	.50	.10
Auricula Fl. Mixed .....	.40	.10

WALLFLOWER. The plants grow to a height of 2 to 2½ feet, thickly covered with large double blossoms.

Early Wonder Mixed. Will bloom in about 90 days from time of sowing. Pkt., 25c.

PERENNIAL FLOWER SEED FOR ROCKERIES AND ROCK GARDENS

Preparation for a Rock Garden must be made ahead, if Perennials are used. They do not bloom the first year from Seeds. Seeds should be planted outdoors in the Rock Garden in the places they are to grow.

- ACHILLEA**—The Pearl. Double white; flowers continuously all summer; 2 feet. Pkt., 15c; 1/8 oz., 40c.

AGROSTEMMA (Rose Camplon). Free flowering. Perennial. Red. 1 1/2 ft. Pkt., 10c; 1/2 oz., 25c.

ALYSSUM SAXATILE. Hardy. Perfect little bush with miniature flowers in great masses, of a bright yellow. 12 inches high. Pkt., 10c; 1/2 oz., 35c.

ANTIRRHINUM. Rock Hybrids; 8 inches. Mixed. Pkt., 15c.

AQUILEGIA—Mrs. Scott Elliott's Hybrids. The colors range through shades of lavenders, mauves, blues, purples, whites, creams, yellows, pinks, reds, all mixed; 30 inches. Pkt., 15c; 1/8 oz., 40c.

AQUILEGIA COERULEA (Rocky Mountain Columbine). Violet blue and white. 2 feet. Pkt., 15c; 1/8 oz., 35c.

AQUILEGIA SILVER QUEEN. 30 inches. Pure white; long spurred. Pkt., 15c.

ARABIS—Alpina. Dwarf spring flowering; flowers pure white; 6 inches. Pkt., 10c; 1/2 oz., 40c.

ARMERIA—Formosa. Deep pink; 8 in. Pkt., 15c; 1/8 oz., 35c.

ASTER—Alpinus. Blue and white. Mixed. Pkt., 15c.

AUBRIETIA. Large flowering hybrids; early flowering; 4 inches. Pkt., 15c; 1/8 oz., 40c.

AURICULA (Primula). Beautiful low growing plants. Mixed. 6 inches. Pkt., 15c.

CAMPANULA—Carpatlca, Blue. (Carpathian Hare Bell). Compact tufts not exceeding 8 inches; flowers clear blue. Pkt., 10c; 1/4 oz., 25c.

CAMPANULA—Carpatlca, Alba. White. Pkt., 10c; 1/4 oz., 25c.

CANDYTUFT—Gibraltarlca. White shading to lilac. 1 ft. Pkt., 10c; 1/4 oz., 25c.

CANDYTUFT—Sempervirens. White hardy perennial; in flower early in the spring; 1 foot. Pkt., 15c; 1/4 oz., 50c.

CARNATION—Grenadin. Scarlet, white and Triumph Pink. Each Pkt., 20c; Mixed, Pkt., 15c.

CENTAUREA—Montana. (Perennial Cornflower). A hardy perennial variety, grows 2 feet high. Large violet-blue flowers from July to September. Pkt., 10c; 1/2 oz., 25c.

CERASTIUM—Tomentosum. Dwarf, white leaved plant with white flowers; 4 inches. Pkt., 15c; 1/4 oz., 35c.

CHEIRANTHUS—Allioni. (Siberian Wallflower). A biennial; brilliant orange flowers; 1 foot. Pkt., 10c; 1/2 oz., 25c.

CRUCIANELLA—Stylosa. Early flowering, hardy perennial, suitable for rock work; bright purple, ball-shaped flowers. Height 6 inches. Pkt., 10c; 1/4 cz., 35c.

DELPHINIUM—Chinese Blue. A dwarf strain with loose branches and sprays of bright blue flowers; 2 feet. Pkt., 10c; 1/4 oz., 30c.

DELPHINIUM—Chinese White. Pkt., 10c; 1/4 oz., 30c.

DIANTHUS. Allwoodii Mixed. The flowers are about 75 per cent double and appear in all colors. The single flowers are quite as handsome as the double and have the advantage of making large clusters. It is exceptionally hardy. Pkt., 20c.

Caesius (Cheddar Pink). Forming dense tufts a few inches high and sweet scented, rosy-pink flowers in May and June. Pkt., 15c; 1/4 oz., 40c.

Plumarius. Cyclops, single, perpetual, various colors with blood red eye. Pkt., 10c; 1/4 oz., 35c.

Plumarius. Single Mixed. (Grass Pinks, Scotch Pink, or Pheasant-eye Pink). A beautiful single hardy Pink, with fringed edged flowers of various colors. Pkt., 5c; 1/2 oz., 25c.

Plumarius. Double Mixed. (Double Hardy Garden Pinks). Double and semi-double varieties in beautiful colors. Pkt., 10c; 1/4 oz., 35c.
- DIANTHUS**. Deltoides. (Maiden Pink) Dwarf brilliant carmine. Pkt., 15c.

Latifolius Atrococcineus Fl. Pl. Free flowering; velvety crimson scarlet; double. Pkt., 10c; 1/4 oz., 25c.

Sweet Wivelsfield. A new hardy annual, good for borders, as a cutflower, and especially adapted for rock gardens. Pkt., 15c.

FORGET-ME-NOT MYOSOTIS—Palustris Semper-florens. The ever-blooming blue Forget-Me-Not; 1 foot. Pkt., 15c; 1/8 oz., 35c.

GEUM—Mrs. Bradshaw. Large double brilliant orange scarlet, in flower throughout the entire summer. Pkt., 15c; 1/4 oz., 50c.

GEUM—Lady Stratheden. Double-flowering golden-yellow. Pkt., 15c; 1/8 oz., 35c.

GYSOPHILA—Repens. Mixed. A fine rockery plant covered with tiny rose and white flowers; 8 inches. Pkt., 10c; 1/8 oz., 40c.

HELIANTHEMUM—Mutabile (Rock or Sun Rose). A pretty plant with masses of flowers of various colors; 6 inches. Mixed. Pkt., 10c.

HEUCHERA SANGUINEA SPLENDENS. The flowers are of a rich, bright coral-red color; 30 inches. Pkt., 15c.

LINARIA CYMBALARIA. A pretty perennial of trailing habit that can be treated as an annual. Flowers are bright lilac with a yellow throat. Very good for rock garden. Pkt., 15c.

LINUM (Flax) Perenne. Bright blue flowers; hardy; 24 inches. Pkt., 10c; 1/2 oz., 30c.

OENOTHERA MISSOURIENSIS. A prostrate growing variety, with large, bright-yellow flowers; 1 foot. Pkt., 15c; 1/8 oz., 50c.

PLATYCODON GRANDIFLORA. Blue; 18 inches; June to October. Large, showy, deep blue flowers. Good for rock garden and border. Pkt., 10c.

POLEMONIUM COERULEUM. Bell-shaped bluish-purple flowers nearly 1 inch across; 2 feet. May to July. Pkt., 10c; 1/4 oz., 30c.

POPPIES, ICELAND. Flowers the first year from spring sown seed; 1 foot. Mixed. Pkt., 10c; 1/4 oz., 35c.

POTENTILLA. Charming hardy perennial plants, with brilliant double flowers, mostly in orange, red and crimson tones; 18 inches. Double mixed. Pkt., 10c.

PRIMULA—Veris. Fragrant flowers of various colors mixed; 6 inches. Pkt., 10c.

PRIMULA—Vulgaris. (English Primrose). Canary yellow; very fragrant. Pkt., 15c.

SAPONARIA—Ocymoides Rose. A splendid plant for the rockery; rose; 9 inches. Pkt., 10c.

SEDUM—Mixed. One of the prettiest erect growing plants, attaining a height of about 15 inches, with broad light green foliage and heads of handsome showy flowers. Pkt., 25c.

SEDUM—Spectabile. Erect growing mass of rose colored flower heads 18 inches high. August and September. Pkt., 25c.

STATICE—Latifolia. (Sea Lavender). Splendid plants, producing all summer panicles of small flowers; 2 feet; large deep-blue flowers. Pkt., 10c.

TUNICA—Saxifraga. A pretty tufted plant with light pink flowers; produced all summer. Pkt., 10c.

VERBENA—Venosa. 1 foot. Covered with bright purple and heliotrope flowers. Pkt., 10c; 1/4 oz., 30c.

VERONICA (Speedwell)—Spicata Blue. 1 1/2 feet high, producing long spikes of bright blue flowers in June and July. Pkt., 15c.

VIOLA—Cornuta. (Tufted Pansy). Choice assorted colors; 6 inches.
- | | | |
|--------------------------------------|--------|---------|
| | Pkt. | 1/8 oz. |
| Jersey Gem | \$0.25 | .... |
| Light Blue, Dark Blue, Yellow, White | .10 | \$0.35 |
| Mixed | .10 | .35 |



GENERAL LIST OF FLOWER SEEDS

We mail all Flower Seeds POSTPAID to any Post Office in the United States

Surround your house with flowers, the most refining and uplifting influence in the world. Nothing can add to the beauty of your home like a flower garden. Here you can spend many pleasant hours; it is an enjoyable task to plant them, watch them grow and pick them for ornaments.

ABUTILON (Greenhouse Plant) (Flowering Maple)

Maximum Hybrids Mixed. Used extensively for pot culture and ornamental bedding; foliage is of maple form and has variegated coloring; flowers bell-shaped; height 3 feet. Pkt., 25c.

ABRONIA UMBELLATA (Annual)

Verbena-like rose colored flowers. Elegant trailing habit. 10 inches. Fine for rockery. Pkt., 10c.

ACHILLEA (Milfoil or Yarrow) (Perennial)

The Pearl. Tall erect plant bearing its pure white double flowers in great profusion all summer; easily grown from seed; flowering the first season if seed is sown early; excellent for rock work and cut flowers for vases; 2 feet. Pkt., 15c; $\frac{1}{8}$ oz., 40c.

ACONITUN (Monk's Hood, Wolfsbane) (Perennial)

Napellus Blue. Growing in any good garden soil of slow germination, producing long spikes of curiously-shaped blue flowers. Well adapted for planting among shrubbery or in shady corners of the garden; 3 to 4 feet. July and August. Pkt., 10c; $\frac{1}{4}$ oz., 40c.

ACROCLINIUM (Everlasting Flower) (Annual)

A pretty everlasting, bearing pretty bright rose and white flowers which, when cut in the bud state, can be dried and used for winter bouquets. Blooms in about 6 weeks. Double mixed; 1 $\frac{1}{2}$ foot. Pkt., 10c; $\frac{1}{4}$ oz., 20c.

ADLUMIA (Allegheny Vine) (Biennial)

Cirrhusa. A hardy biennial climber, blooming the first season; flesh colored flowers. Reseeds itself. Pkt., 10c; $\frac{1}{4}$ oz., 35c.

ADONIS AESTIVALIS (Flos Adonis) (Annual)

Beautiful annual red flowers with light center. Of easy culture and showy. Fine cut foliage. 1 foot. Pkt., 10c; $\frac{1}{2}$ oz., 25c.

AGERATUM (Floss Flower) (Annual)

An excellent annual plant for edging or solid effects. For early bloom sow indoors from March till May.

Blue Cap. New! Undoubtedly the best dwarf Ageratum yet offered. The flowers are much larger than those of Little Blue Star and of a deeper and richer blue. The foliage is small and the plants have the appearance of miniature domes. Ideal for edging, small beds, and rockeries. Pkt., 10c.

Blue Ball. Attractive, compact bushes with a profusion of small ball-shaped pure blue flowers. Excellent for borders; 6 inches. Pkt., 10c; $\frac{1}{4}$ oz., 25c.

Imperial Dwarf Blue. Clear Blue; compact growing plant; height 9 inches. Pkt., 10c; $\frac{1}{4}$ oz., 25c.

Imperial Dwarf White. Pkt., 10c; $\frac{1}{4}$ oz., 25c.

Little Blue Star. Plants densely covered with bright blue flowers; height 5 inches. Pkt., 15c.

Mixed. Blue and white; 12 in. Pkt., 5c; $\frac{1}{2}$ oz., 25c.



Ageratum



Miniature Alyssum

AGROSTEMMA CORONARIA (Perennial)
(Rose Campion)
Exceedingly handsome and free-flowering; excellent for Rock Garden. Will bloom the first year if sown early. Blood red. June and July. 2 feet. Pkt., 10c; 1/2 oz., 25c.

ALYSSUM (Annual)
This is one of the finest hardy annuals we have, and is beloved by many on account of its modest blossoms. Very useful for rock work.
Miniature. This variety is of exceedingly dwarf and compact growth, of miniature white flowers. 3 to 4 inches. Pkt., 15c; 1/2 oz., 50c.
Carpet of Snow. We know of no other white flower which is so particularly well adapted to borders. 4 inches. Pkt., 10c; 1/2 oz., 35c.
Little Gem. The best variety for bedding. Very dwarf and compact. 4 inches. Pkt., 10c; 1/2 oz., 35c.
Lilac Queen. A distinct, new annual variety with lilac shaded flowers. The plants are of dwarf, compact growth. 8 inches. Pkt., 10c; 1/2 oz., 35c.
Maritimum (Sweet). Of trailing habit; flowers white. 9 inches. Pkt., 5c; 1/2 oz., 25c.
Saxatile. Hardy. A grand variety of exquisite coloring, a golden yellow. Hardy perennial, but blooms the first season from seed if sown early, grows about 12 inches high; May; excellent for Rock Gardens. Pkt., 10c; 1/2 oz., 35c.

AMARANTHUS (Annual)
Beautiful colored foliage plants; succeeds best in sunny, dry locations.
Tri-Color (Joseph's Coat). Decorative foliage plants, easily raised from seed. Useful in borders of tall plants or for the center of large beds; annual; 2 1/2 feet. Pkt., 10c; 1/2 oz., 25c.
Sunrise. Foliage bronzy crimson, tipped carmine. 3 feet. Pkt., 15c; 1/4 oz., 35c.
Choice Mixed. Pkt., 5c; 1/2 oz., 15c.

AMPELOPSIS (Boston or Japan Ivy) (Hardy)
Veitchii. Clings to the walls of wood, stone or brick. Hardy. 20 feet. Pkt., 10c; 1/2 oz., 25c.

ANAGALLIS (Annual)
Grandiflora Mixed. 6 inch. Lovely dwarf annual plants, exceedingly effective as edgings, also charming on rockwork and in pots. Pkt., 10c; 1/4 oz., 25c.

ANCHUSA (Dropmore Variety) (Perennial)
Italica. One of the finest hardy plants, remarkable for its free and continuous flowering and the beautiful gentian-blue color; grows about five feet high. May and June. Pkt., 10c; 1/2 oz., 40c.

ANEMONE (Windflower) (Perennial)
A very pleasing perennial, producing large double and semi-double flowers; few plants compare with them in beauty; fine for bouquets. Sow outdoors in Spring, keeping shaded till the plants appear. May and June. 1 1/2 feet.
St. Brigid. Mixed colors. Pkt., 15c; 1/8 oz., 40c.

ANTIRRHINUM (Half Hardy)
Half-hardy Perennial Treated as an Annual
They are one of the most valuable flowers that grow from seed.
Seed sown out of doors the first week of May will bloom early in July, remaining in full flower until November. For earlier flowering they may be started indoors or in a frame in March, transplanting them to the open when the weather is suitable.

ANTIRRHINUM MAXIMUM		
This is a wonderful new group of Antirrhinums. The flowers are of magnificent size closely placed on the spike. 3 feet.		
	1/4 Oz.	Pkt.
Copper King—Velvety Copper Scarlet.	\$0.50	\$0.15
Golden Queen—Deep Yellow .....	.50	.15
Purple King—Deep Glowing Purple ...	.50	.15
Salmon Rose .....	..	.25
Snowflake—Pure White, Yellow Tube..	.50	.15
The Rose—Rose Pink .....	.50	.15
Mixed .....	.50	.15



Antirrhinum Maximum

ANTIRRHINUM (Continued)
Large Flowering Half Dwarf (18 inches)

	1/4 Oz.	Pkt.
Nelrose, brilliant rose	\$0.35	\$0.10
Empress, rich velvety crimson .....	.35	.10
Fawn, terra cotta pink, suffused yellow .....	.35	.10
Golden Queen, clear yellow .....	.35	.10
Defiance, orange scarlet .....	.35	.10
The Bride, pure white .....	.35	.10
Silver Pink, pearly pink self .....	.35	.10
Mixed, varieties .....	.35	.10

Tall, Giant-Flowering Varieties

The varieties offered below are the best and most improved of the largest-flowering sorts. The blooms are double the size of the old varieties and for a select strain of this great favorite, plant our improved strain. 2½ to 3 feet.

	1/4 Oz.	Pkt.
Fire King. Orange scarlet, white tube.....	\$0.30	\$0.10
Golden King. Giant yellow .....	.30	.10
Autumn Glow. Old rose, strongly shaded terra cotta ..		.10
Rose Queen. Soft rose .....	.30	.10
Rose King. Deep rose .....	.30	.10
Crimson King. ....	.30	.10
Venus. Delicate pink .....	.30	.10
Queen Victoria. White .....	.30	.10
Mixed. Large flowering .....	.25	.05

ANTIRRHINUM (Tom Thumb or Dwarf)

Mixed. The plants grow about 8 inches high and are covered with fine stocky flower-spikes, including a wide range of colors. Pkt., 10c; ¼ oz., 50c.

ANTIRRHINUM (Rock Hybrids)

It forms small compact bushes with variously colored flowers, shades of rose, pink, purple, mauve and bicolors being produced in great profusion. It blooms a week earlier than the average Snapdragon and is eminently suitable for the decoration of rock and Alpine gardens. Pkt., 15c.

Antirrhinum Finest Double Mixed, Pkt., 15c.

AQUILEGIA (Columbine) (Perennial)

Few hardy perennials are so easily grown from seed. A most desirable border plant. Blooms early in Spring, long and abundantly, is useful for cutting. Sow in the fall for flowering the following season. 2 to 3 feet.

Mrs. Scott Elliott Hybrids. There is not a better mixture grown in the world. Wonderful colors and color combinations, with very long spurred flowers. Colors range through shades of lavenders, mauves, blues, purples, whites, creams, yellows, pinks, reds, etc. All colors mixed. Pkt., 15c; 1/8 oz., 40c.

Imperial Long Spurred Hybrids. We offer an unusually choice strain of these lovely hybrids, ranging in color tones from creamy white and yellow to bronze red and blue shades. The combination of shades found in this selection defies description. Pkt., 15c.

Silver Queen. Improved long-spurred white. The best pure white. Pkt., 15c.

Chrysantha, (Golden Columbine). Very slender, dainty, long-spurred Columbine of a golden yellow color, blooming later than the long-spurred hybrids Late June and July and attains a height of 2½ to 3 feet. Pkt., 10c.

California Hybrids—Exquisite flowers	\$0.15
Canadensis. Old rose and yellow .....	.15
Coerulea. Splendid light blue and white .....	.15
Double. All colors mixed. 1/2 oz., 25c.....	.05
Single. All colors mixed. 1/2 oz., 25c.....	.05

ANTHEMIS (Hardy Marguerite) (Perennial)

Kelwayi. A most satisfactory hardy perennial, bearing all summer daisy-like golden-yellow blossoms; excellent for cutting, 2 ft. Pkt., 10c; ¼ oz., 25c.

Tinctoria. 2 to 3 feet. Bright yellow shading to white. June-October. Pkt., 10c; ¼ oz., 30c.

ARABIS (Rock Cress) (Perennial)

Alpina. A hardy perennial unequalled for rockeries and one of the earliest and prettiest Spring flowers. The spreading tufts are covered with a sheet of pure white flowers as soon as the snow disappears. 6 inches. Pkt., 10c; ½ oz., 40c.

ARCTOTIS GRANDIS (Annual)

Blue-Eyed, or African Daisy. White and lilac. The large daisy-like blooms of this fine, hardy annual are excellent for cutting. Blooms all Summer. 2 feet. Pkt., 10c; ¼ oz., 25c.

ARGEMONE (The Prickly Poppy) (Annual)

Hybrida Grandiflora. An easily grown annual with attractive whitish green foliage, having a white midrib and fine white spines on the margin. The plants grow 2½ to 3 feet tall. They are of bushy habit and bear a profusion of single Poppy-like blooms from July until frost. Color, pink, yellow to richest golden yellow. Excellent for mixed borders. Sow where to bloom. Pkt., 10c; ½ oz., 35c.



Antirrhinum. Large flg. Half Dwarf

ARMERIA

(Sea Pink or Thrift) (Perennial)
Formosa. A pretty hardy perennial for edgings. Dwarf compact plants with grass-like foliage and large clover-like flower-heads. The blooms are bright rose, carried on stems 12 inches long. Plant in a rich, moderately moist, sunny location. Pkt., 15c; 1/8 oz., 35c.

ASPARAGUS

The ornamental varieties of Asparagus are highly valued for their feathery sprays of foliage. They are particularly useful as soft backgrounds for floral baskets and bouquets; much used by florists. Seeds start slowly and should be soaked in warm water before planting.
Plumosus Nanus (Lace Fern). 3 ft. The bright green sprays surpass the Maiden-hair Fern. Pkt., 10c.
Sprengeri (Emerald Feather). A very elegant foliage plant for hanging baskets, etc., the minute flowers, which are produced in pretty racemes, are of a rose color with orange anthers. Pkt., 10c.

ASTERS (Annual)

Choicest Varieties for Summer Flowering
Asters will thrive in any good soil, prepared in the same way as you would for a crop of vegetables, but it is well to remember that any extra care taken in the preparation of the soil is repaid by finer plants, larger blooms, with longer stems and more profuse flowering. They should have open, sunny position, and prefer a good heavy, loamy soil. For early flowering, seeds should be started in a sunny window, hotbed or coldframe in April and transferred to their place in the garden as soon as danger of frost has gone by. For August (Midseason) and September (late) sow seeds outside in finely prepared ground in May, thinning out to one foot in the rows and two feet between.

"QUEEN OF THE MARKET" ASTER

For an early blooming type this branching class offers many advantages. The handsome blossoms which are rather flat are relatively broad and full with incurved petals. It will bloom 2 weeks earlier than any other sort in our list and remain in good condition until the later varieties begin to flower. Very satisfactory for cutting. 18 inches.
1/2 Oz. Pkt. 1/2 Oz. Pkt.
White\$0.50 \$0.10 Purple\$0.50 \$0.10
Lavender .. .50 .10 Rose50 .10
Crimson50 .10 Mixed30 .05
Blush Pink. .50 .10

IMPR. GIANT CREGO ASTERS

In the garden Crego's Giant Asters are valuable because they form a well-rounded, compact plant about 2 feet tall. They are classed as a mid-season type, filling in the season between the early and late Asters.
1/4 Oz. Pkt.
Crimson\$0.35 \$0.10
White35 .10
Shell Pink35 .10
Lavender35 .10
Purple—Bright35 .10
Rose—Rich deep rose35 .10
Mixed35 .10

EARLY WONDER ASTER

The earliest variety in cultivation, coming into bloom several days before "Queen of the Market." The form is that of "Giant Comet" type;



American Beauty Asters

the flowers are large and very double; stems average 18 inches in length. Pkt., 10c; 1/4 oz., 50c.

EARLY AMERICAN BEAUTY ASTER

This variety is similar in type of flower and growth to the well-known Late Branching Asters. The flowers are fully double to the last. Each plant forms a perfect bush. 2 to 2 1/2 feet.

	Pkt.		Pkt.
Crimson	\$0.15	White	\$0.15
Lavender .....	.15	Delicate Pink ....	.15
Purple .....	.15	Rose Pink .....	.15
Mixed, 1/4 oz., 50c .....	.15		

CALIFORNIA GIANT ASTERS

The flowers are much larger and more substantial than the Improved Crego. They measure 5 to 6 inches in diameter. Their immense size and beauty, as well as their long and sturdy stems make them very attractive. 3 feet.

	Pkt.		Pkt.
Dark Purple	\$0.15	Peach Blossom ..	\$0.15
Deep Rose .....	.15	White .....	.15
Light Blue .....	.15	Mixed, 1/4 oz., 50c	.15

ASTER GIANT PAEONY FLOWERED

A selection of Asters suitable for florists and home gardens. 2 feet.

	1/8 Oz.	Pkt.
Swansdown. Pure White	\$0.60	\$0.20
Maiden's Blush. Delicate Flesh .....	.60	.20
Azure Fairy. Clear Azure Blue .....	.60	.20
Above Colors Mixed .....	.60	.20

GIANT COMET ASTERS

Flowers of immense size, often 4 inches across, composed of long, wavy, twisted petals, gracefully formed. Mixed, Pkt., 10c; 1/4 oz., 35c.

ASTERS

CALIFORNIA IMPROVED SUNSHINE

A beautiful new type of Aster, forming well-branched bushes carrying a profusion of excellent long-stemmed flowers. The outer petals are long and narrow, whereas toward the center the petals are tubular, with a four-pointed star at the end. Excellent for garden display and particularly fine for cutting. 2½ feet. Pkt., 15c.

ST. L. S. CO.'S NOVELTY MIXED ASTERS

This superb mixture is composed of all new novelties of recent introduction. The plants form strong, branching bushes, 2 to 3 feet high, bearing on long, strong stems their handsome Chrysanthemum-like flowers. Pkt., 15c.

CHINA ASTERS

Single Mixed. Within late years the single Asters have gained in favor with the flower lovers. Our mixture contains all the leading colors, well blended. 2 feet. Pkt., 10c; ¼ oz., 30c.

DWARF CHRYSANTHEMUM-FLOWERED ASTERS

Bushy plants, bearing large perfectly double flowers, fine for either gardens or pot culture. 12 inches. Finest Mixed Colors. Pkt., 10c; ¼ oz., 35c.

HARDY PERENNIAL ASTER

Mixed (Michaelmas Daisies). Single fall-flowering hardy herbaceous plants, thriving in any good garden soil. If sown early they will flower the first season; 3 feet. Pkt., 15c; ¼ oz., 65c.

Alpinus. Indispensable for the rockery or edge of hardy borders; grows 8 to 10 inches high and bears large showy bluish purple flowers in May and June. Mixed. Pkt., 15c.



California Giant (See Page 45)

ASTER

American Branching Wilt Resistant.

The so-called wilt disease of Asters is caused by a specific parasitic fungus, which may attack the plant at any stage in its growth from the seedling to the seed-producing age. The spores of the fungus may be carried on Aster seed and on inert matter with the seed, on the implements used in preparing the soil, and in the soil itself. When once introduced into the soil, it persists indefinitely and makes the land “aster sick”, that is, whenever an ordinary strain of Asters is planted into that particular soil at any time thereafter, the wilt fungus living in it will attack the plants and they will die off at some stage of their growth.

We wish to call your attention to the fact that these Asters should be sold as wilt resistant, and not as disease resistant. There seems to be an erroneous impression prevalent that the resistance refers to Aster Yellows and other Aster diseases, besides the fusarium wilt. Unfortunately, this is not the case. So far there is no known method of combatting the Yellows disease, except by growing the plants in an enclosed space, thereby keeping the leaf hoppers which carry the yellows virus from reaching the plants. Bodger Seeds, Ltd., Seed Growers, El Monte, California.

We offer Wilt Resistant Branching Asters in the following colors:

	Pkt.		Pkt.
Azure Blue	15c	Purple	15c
Crimson	15c	Scarlet	15c
Deep Rose	15c	Shell Pink	15c
Light Rose	15c	White	15c
Mixed	Pkt. 10c		

AUBRIETIA (Rainbow Rock Cress) (Perennial)
Large-flowering Hybrids. A beautiful dwarf rock plant, covered with sheets of bright flowers in April and May; 6 inches. Pkt., 15c; 1/8 oz., 40c.

AURICULA (Primula Auricula) (Perennial)
For best results, sow seeds in September and October.
Mixed. Beautiful low growing, early spring flowering plants; fine for borders, pot culture, etc.; sow seed outside in fall; half-hardy perennial; 6 inches; May. Pkt., 15c.

BALLOON VINE (Love-in-a-Puff) (Annual)
A rapid-growing annual climber; succeeds best in light soil and warm situation; flowers white; seed vessels look like miniature balloons. 5 to 10 feet. Pkt., 5c; 1/2 oz., 15c.

BALSAM (Lady Slipper) (Annual)
Camellia Flowered Double. An old favorite garden flower, producing its gorgeous masses of beautiful, brilliant-colored double flowers in the greatest profusion. Seed should be started in boxes indoors or in the open ground when danger of frost is past. The plants must not suffer for moisture. Tender annuals, 2 feet.

	1/2 Oz.	Pkt.
White	\$0.30	\$0.10
Light Pink .....	.30	.10
Scarlet .....	.30	.10
Salmon Rose .....	.30	.10
Mixed .....	.30	.10
Rose Flowering, Double Mixed, oz., 35c; Pkt., 5c.		



Balsam



Double Daisy (Bellis Perennis)

BALSAM APPLE (Mormordica) (Annual)
A very ornamental and quick-growing climber. While it has a flower, it is grown mostly for the effect of the fruit which follows. When ripe it opens and shows the seeds and brilliant carmine interior. The fruit preserved in alcohol make a useful liniment. Pkt., 10c; oz., 30c.

BAPTISIA (False Indigo) (Perennial)
Australis. A strong growing perennial plant 3 feet high; dark green, deeply cut foliage and spikes of dark blue, pea-shaped flowers in June and July. Pkt., 15c.

BARTONIA (Annual)
Aurea. Though a native of California this sort should be better known elsewhere. The handsome single chalice-shaped flowers, their throats decorated with bristling stamens, are golden yellow. The gray thistle-like foliage glistens in the sunshine. They do not stand transplanting and do best in full sun out of the wind, preferably in a dry spot even in poor soil. 1 1/2 foot. Pkt., 10c; 1/2 oz., 25c.

BEAN, SCARLET RUNNER
A great favorite in Europe, not only as an ornamental climber, but for the delicious edible beans. Pkt., 10c; 1/4 lb., 25c; 1 lb., 60c.

BEGONIA (Pot Plant)
A beautiful flower of various colors. Blooms in constant profusion from early Summer until late Fall, and an excellent plant for Winter blooming. Should be started either indoors or in a hotbed.
Prima Donna. Light rose, 10 inches. Pkt., 15c.
Luminosa. Brilliant, fiery, dark scarlet. 10 inches. Pkt., 15c.
Rosabelle. Rose pink. Pkt., 25c.
Fine Mixed. Similar to above, mixed. Pkt., 10c.

BELLIS-PERENNIS or DOUBLE DAISY
Greatly Improved varieties of the popular "Double Daisies". Admirably adapted for edgings, borders and low beds, and also well suited for growing in pots. About 6 inches. Spring flowering.

	1/8 Oz.	Pkt.
Double Red	\$0.35	\$0.15
" Pink .....	.35	.15
" White—Pure White .....	.35	.15
" Mixed Colors .....	.35	.15

BOCCONIA (Plume Poppy) (Perennial)

Cordata. A splendid, hardy perennial, with glaucous green foliage, and bearing freely, spikes 2 to 3 feet long of creamy white flowers; 6 to 7 feet. July. Pkt., 10c; $\frac{1}{2}$ oz., 30c.

BOLTONIA (Perennial)

Latisquama. A sturdy, tall-growing perennial, 4 to 5 feet high, bearing a profusion of star-shaped, pinkish lavender blooms during September and October. An excellent cut-flower and very drought resistant. Pkt., 15c; $\frac{1}{4}$ oz., 50c.

BRACHYCOME (Swan River Daisy) (Annual)

Iberidifolia. Mixed. Delightful blue and white flowers resembling Cinerarias, borne on slender stems, with graceful foliage. Plants are profuse bloomers. Very useful for edging work and make pretty pot plants in Winter. Sow seed in hotbed in March. Height 12 inches. Pkt., 10c; $\frac{1}{2}$ oz., 35c.

BROWALLIA (Pot Plant)

Speciosa Major. A beautiful large-flowering variety of the most brilliant ultramarine blue, a rare color; does finely outside in the border, or in hanging-baskets or vases, but is especially valuable as a pot plant for winter and early spring flowering. Pkt., 25c.

CACALIA (Tassel Flower) (Annual)

A pretty free-blooming plant with red tassel-shaped flowers, also called Devil's Paint Brush. 18 inches. June to September. Pkt., 10c; $\frac{1}{2}$ oz., 25c.

CALCEOLARIA (Pot Plant)

This universally admired species bears bizarre pouch-shaped flowers in great profusion. They are beautifully varied in their coloring and marking with light backgrounds curiously splashed or spotted with rich maroon or brown. The strain we offer is only suitable for greenhouse or indoor culture except where the climate is very mild. A much admired, showy, slipper-like flower. 18 inches. Mixed. Pkt., 25c.



Calendula



Calliopsis

CALENDULA (Annual)

Useful and showiest annual for the garden, or as a cut flower. In most climates it blooms all summer but the brilliant flowers are particularly valuable in late fall. They thrive even in poor soil and require very little care. Calendulas besides being so popular for open air culture are of great merit for forcing by florists who appreciate their value for winter use. Flowers borne on long stiff stems. $1\frac{1}{2}$ feet. **Radio.** The true Radio form is a medium-sized orange flower with quilled or comet petals, curled and twisted. Pkt., 10c.

Campfire. A distinct new type originating from our florist's strain of Orange King. The color of the petals is brilliant orange. Pkt., 10c; $\frac{1}{4}$ oz., 65c.

Lemon Queen. Very large and extremely double flowers of a pleasing rich lemon-yellow, dark eye. Pkt., 10c; $\frac{1}{2}$ oz., 35c.

Orange King. 18 inches. The outer petals are slightly imbricated, while those of the center are curved like those of the peony. Color glowing orange. Pkt., 10c; $\frac{1}{4}$ oz., 50c.

Mixed, all colors. For woodlands and perennial borders. Pkt., 5c; $\frac{1}{2}$ oz., 20c.

CALLIOPSIS (Annual)

One of the most showy flowers, very easily grown; will thrive almost anywhere without trouble or care. A favorite for the home yard or lawn. Blooms all summer.

Crimson King. A fine dwarf sort, 12 inches high; color, rich velvety crimson-garnet. Pkt., 10c; $\frac{1}{2}$ oz., 25c.

Golden Ray. Dwarf, compact plants, not over 9 inches high, covered with flowers of rich maroon edged with golden yellow. Pkt., 10c; $\frac{1}{2}$ oz., 25c.

Dwarf Superb Hybrids Mixed. Unlike other varieties, this is a fine bedding plant, besides being useful for bouquets. The colors are richer and more varied. Height, 12 inches. Pkt., 10c; $\frac{1}{2}$ oz., 25c.

Tall Mixed. Valuable for mixed beds and borders. About 2 to 3 feet. Pkt., 5c; oz., 25c.

CANARY BIRD VINE (Annual)
(*Tropaeolum Canariense*)

A beautiful rapid annual climber, the charming little canary-colored blossoms bearing a fancied resemblance to a bird with its wings half expanded. 15 feet. Pkt., 10c; oz., 25c.

CANDYTUFT (Iberis) (Annual)

The Candytuft is almost as fragrant as the sweet alyssum and very popular. Very useful as a bedding plant or for border work.

If sown in spring in rich, mellow soil the plants will usually bloom from July to September or if in the fall will be likely to blossom from the last of May to July.

Giant Hyacinth-flowered. White. As a result of extra care and painstaking selection this is now the finest of all flowers, in a pyramid of bloom. 1 ft. Pkt., 10c; 1/2 oz., 25c.

CANDYTUFT (Umbellata)

They bloom in about eight weeks from the time of sowing, and in order to keep up a succession of bloom two sowings should be made at intervals of about two weeks.

	1/2 Oz.	Pkt.		1/2 Oz.	Pkt.
Carmine	\$0.25	\$0.10	Rose Cardinal	\$0.25	\$0.10
Crimson .....	.25	.10	White .....	.25	.10
Lavender .....	.25	.10	Mixed .....	.15	.05
Flesh Pink .....	.25	.10			

HARDY CANDYTUFT

Gibraltarica. White flowers, shading to lilac. May and June. 1 ft. Pkt., 10c; 1/4 oz., 25c.

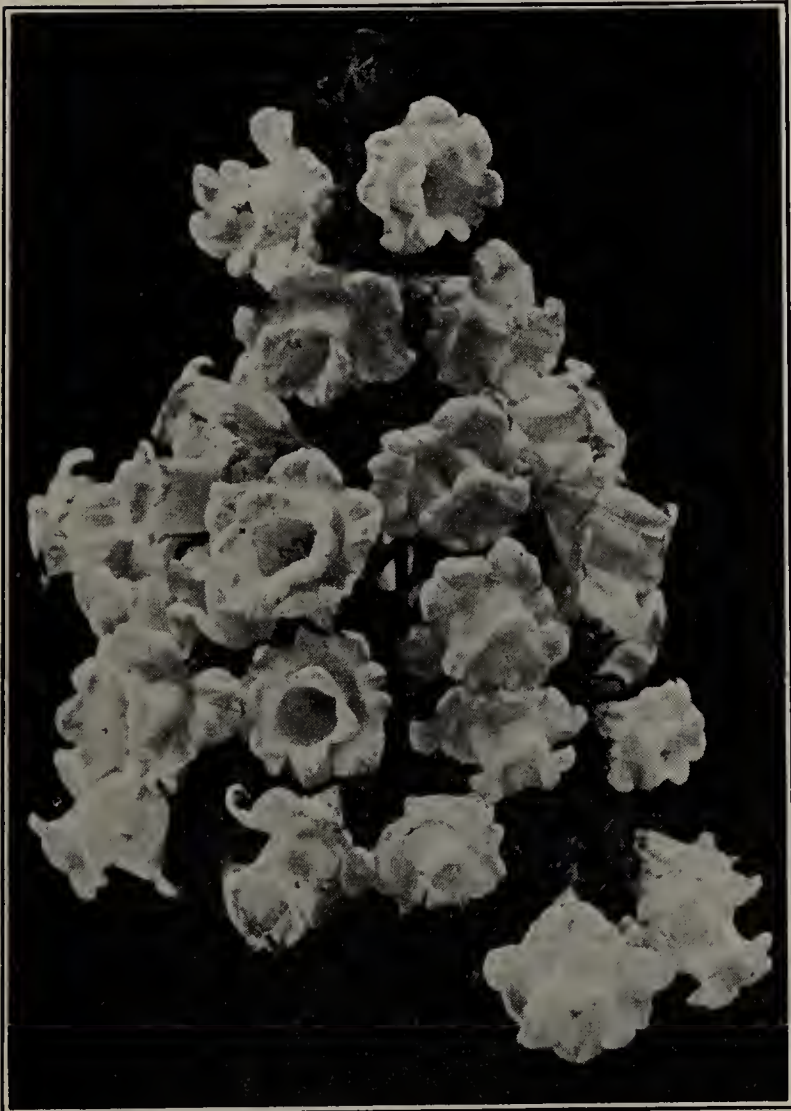
Sempervirens. A profuse, white-blooming, hardy perennial coming in flower early in the Spring; much used for cemeteries, rockeries, etc. April and May. 1 foot. Pkt., 15c; 1/4 oz., 50c.

CANTERBURY BELLS (New)

A New Annual. The plant grows about 2 1/2 feet high, each plant having from six to eight spikes of blooms. We offer this in a mixture of blue, pink, rose and white. It will bloom four months after sowing seed. Pkt., 15c.



Candytuft Giant Hyacinth Flowered



Campanula or Canterbury Bells

CAMPANULA (Biennial)
Medium or Canterbury Bells

The seeds should be sown by mid-April, in finely prepared, rich soil and if the weather is dry, they should be given a thorough watering late every afternoon. By the 15th of July the little plants should be transplanted to the places where they are to bloom the following summer; a little straw or coarse hay, thrown over them when the ground begins to freeze, makes all the winter covering these plants require. June.

MEDIUM CALYCANTHEMA
Cup and Saucer. 2 1/2 feet.

This is unquestionably the finest type of this old-fashioned and much prized garden plant.

	Pkt.		Pkt.
Dark Blue	\$0.10	Rose	\$0.10
Light Blue .....	.10	White .....	.10
Mixed, 1/4 oz., 40c .....			.10

SINGLE CANTERBURY BELLS
Campanula Medium

Showy, hardy biennial, growing about 3 feet high with large bell-shaped flowers. Sow from June 1st till September 1st. Protect during winter.

	Pkt.		Pkt.
Single Blue	\$0.10	Single White	\$0.10
Single Rose .....	.10	Single Mixed .....	.10

CAMPANULA (Perennial)

Carpatica Blue (Carpathian Hare Bell). Free-flowering hardy perennial, continuing in bloom the whole season; color, clear blue; grows 8 inches high; especially good for edging and rock-garden. July and August. Pkt., 10c; 1/4 oz., 25c.

Carpatica White. The white-flowered form of the above. Pkt., 10c; 1/4 oz., 25c.

Pyramidalis (Chimney Bellflower). Perfect pyramids 4 to 5 feet high, with large bell-shaped flowers, blue and white mixed. Pkt., 15c; 1/8 oz., 25c.

CANNA (Annual)

Cannas are famous for their luxuriant growth and immense flowers of most brilliant colors; their profusion and continuity of bloom under all climes and conditions render them easily the most useful, showy and universally popular garden plants grown. Soak seed in warm water. Mixed, Pkt., 10c; oz., 35c.

CARDINAL CLIMBER (Annual)

We consider it the most beautiful and brilliant annual climber ever sent out. It is a strong and rapid grower, attaining a height of 30 feet or more, with beautiful fern-like lacinated foliage and literally covered with a blaze of circular fiery cardinal-red flowers from Mid-Summer till frost. The flowers are borne in clusters of 5 to 7 blooms each. Pkt., 10c; 1/2 oz., 35c.

CARNATION (Annual)

Chabaud's Giant. Blooms in five months after being sown and continues to bloom throughout the summer; flowers of fine substance and usually produce 90 per cent double flowers. 15 to 18 inches.



Celosia (Coxcomb)

	1/4 Oz.	Pkt.		1/4 Oz.	Pkt.
Dark Red	\$0.50	\$0.15	Yellow	\$0.50	\$0.15
Deep Rose .....	.50	.15	Finest Mixed .....	.35	.10
White .....	.50	.15			
Marguerite Mixed.	Pkt., 5c; 1/2 oz., 35c.				

CARNATION (Grenadin) (Perennial)

This is a very fine strain, particularly adapted for garden planting. Seed sown in the Spring will produce large and thrifty clumps that will stand out over winter and bloom throughout the following Summer and Fall. 1 1/2 feet.

	1/8 Oz.	Pkt.		1/8 Oz.	Pkt.
Double Scarlet	\$0.40	\$0.20	Double Triumph Pink	\$0.40	\$0.20
" White .....	.40	.20	" Mixed .....	.35	.15

CELOSIA (Coxcomb) (Annual)

Beautiful plumes of brilliant colors. Being fine for vases, and of splendid foliage. Seed may be sown outdoors as early in spring as ground is warm and dry, using if possible light rich, well pulverized

soil, and giving plenty of moisture. For larger and more beautiful plumes start the seed very early indoors and transplant to place when weather is settled. Also adapted for growing in pots in greenhouses and conservatory.

Thompson's Magnifica. All colors mixed; 2 feet. Pkt., 10c; 1/2 oz., 30c.

Lilliput Fiery Feather, new, bright fiery scarlet, first-class pot- and bedding-plant. 1 ft. Pkt., 15c.

Lilliput Golden Feather, new, a suitable dark golden counterpiece to "Fiery Feather". 1 ft. Pkt., 15c.

CELOSIA DWARF

Glasgow Prize. The best dwarf crimson sort, with handsome dark foliage. Combs very large and solid. Pkt., 10c; 1/8 oz., 30c.

Golden Queen. Dwarf Golden. Pkt., 10c; 1/8 oz., 30c.

Dwarf Mixed. Pkt., 10c; 1/4 oz., 35c.

Celosia Childsii. See Woolflower on Page 76.

CENTAUREA (Annual)

(Corn Flower, or Bachelor's Button)

Sow seed in early spring and transplant to open ground or sow in open ground as soon as the weather is warm and settled. Cover seed about one-fourth inch deep; thin to three or four inches apart. Fine for cut flowers, bedding or borders. The young plants are very sensitive to wet, and care should be taken to prevent water standing on the leaves. Seeds sown in fall will come up in spring; 3 feet.

		1/2			1/2
	Pkt.	Oz.		Pkt.	Oz.
Double White	10c	20c	Double Rose	10c	20c
" Blue	10c	20c	" Mixed	5c	15c



Carnation



Imperialis (Giant Royal Sweet Sultans)
(See Page 51)

CENTAUREA IMPERIALIS (Annual)
(Royal Giant Sultans)

This class produces large, very double, finely lacinated flowers of graceful form and delicious fragrance. They are very desirable for cut flowers and will often last for over a week when placed in water. They should be cut before the blossoms are fully opened.

Bushes are from 2½ to 3 feet in height, flowers are finely fringed, soft and feathery and frequently 3 inches across.

	Pkt.		Pkt.
Lavender	\$0.10	Rose	\$0.10
Purple .....	.10	Red .....	.10
White .....	.10	Mixed, ½ oz., 40c	.10

VARIOUS CENTAUREAS

Suaveolens (Yellow Sweet Sultan). Showy, bright yellow, fragrant blossoms. Annual. Pkt., 10c; ½ oz., 40c.

Americana. By far the largest flowering of all the annual Centaureas. The plants grow 3 feet tall and produce during July and August mammoth blooms composed of many delicate petals of a bright lilac-blue shade. Plant in a sunny spot which is well drained. Annual. Pkt., 10c; ½ oz., 35c.

Montana (Hardy Cornflower). Violet blue; 18 inches. July and August. Pkt., 10c; ½ oz., 25c.

ORNAMENTAL LEAVED CENTAUREA
(Dusty Miller) (Perennial)

Candidissima. For bedding, hanging baskets and pots and for edging of beds where white foliage is desired. Easily raised from seeds. Silvery white, finely cut leaves. 15 inches. Pkt., 10c; ¼ oz., 50c.

Gymnocarpa. Leaves not so white as the above. 1½ to 2 feet. Pkt., 10c; ½ oz., 25c.

CERASTIUM (Snow in Summer)

Tomentosum. Dwarf, perennial plant, for edgings and rockeries; silvery foliage and white flowers. 8 inches. May and June. Pkt., 10c; ¼ oz., 40c.

CHELONE (Perennial)

Barbata Hybrids. (Early Flg.) These early flowering hybrids grow about 3 feet high, with flowers varying from pink to cherry-red. Pkt., 10c.



Chrysanthemum



Cineraria. Giant Prize

CHEIRANTHUS (Biennial)
(Siberian Wallflower)

Allioni. This unusual little plant deserves a place in your rock garden or low border. The upright spikes bear numerous cruciform flowers of a dazzling rich orange. Though a hardy biennial, it flowers the first season from seed and when established will bloom throughout the summer. 1 foot. Pkt., 10c; ½ oz., 25c.

CHRYSANTHEMUMS (Annual)

There are many people, however, who do not realize how easily they may be grown from seed, and that all of the magnificent new varieties were raised from hybridized seed.

Bridal Robe. Of very compact and upright habit; 10 inches in height; the sturdy plants throw out their finely feathered foliage from the base and deck themselves with a mantle of double pure white flowers. Pkt., 15c.

Carinatum. Owing to its magnificent golden yellow, white and red shades, it is fast becoming a florist favorite; 20 inches.

	½ Oz.	Pkt.
Double Purple King	\$0.40	\$0.10
“ White .....	.40	.10
“ Yellow .....	.40	.10
“ Red .....	.40	.10
“ Mixed .....	.40	.10
Single Fine Mixed .....	.25	.05

Double Early Flowering. Mixed. A perennial variety, which can also be treated as an annual, blooming the first year from seed if sown early. Pkt., 25c.

CINERARIA (Pot Plant)

Magnificent flowering plants for Spring decorations for the conservatory or window garden. The flowers measure 2 to 3 inches across; various colors. Giant Prize. Semi-dwarf, Extra, 1 ft. Pkt., 20c.

Multiflora Nana Potsdam. This is an extra fine dwarf select mixed variety, nothing better; 10 inches. Pkt., 25c.

CLIMBERS (Rapid Mixture) (Annual)

This mixture contains flowers of gigantic size, and coloring and markings beyond description and embraces all variations. Pkt., 10c; oz., 25c.

COLEUS (Tender Perennial)

These are magnificent ornamental foliage plants. The large rich velvety leaves are of many shades and superb combinations of green, red and yellow. 1 foot.

Fine Mixed. Popular bedding plants with beautifully colored foliage; easily grown from seed if kept in a warm temperature. Pkt., 20c; 1/8 oz., 50c.

COREOPSIS (Perennial)

Lanceolata Gr. Fl. One of the finest hardy garden plants grown. 2 to 3 feet high, and increasing in beauty, luxuriance and floriferousness each year, though it flowers the first season from seed sown early, producing immense, long stemmed flowers. Pkt., 10c; 1/2 oz., 25c.

Lanceolata Grandiflora Fl. Pl. (Double Flowering Coreopsis). Similar in habit to the above flowers; double and semi-double; splendid for cutting. 3 feet. Pkt., 15c; 1/2 oz., 35c.

Mayfield Giant. This very fine perennial is of Australian origin. It produces a taller and more vigorous plant than the ordinary type, with longer and firmer stems and larger individual blooms. The color is the same familiar yellow. Pkt., 10c.

CORN RAINBOW (Ornamental) (Annual)

Zea Japonica. A stately plant growing 5 to 6 feet tall, with broad and long leaves which are superbly striped with red, rose, yellow, white and bronze. Plant the seeds early in the spring. Excellent for background planting, for hiding unsightly corners. Pkt., 10c; oz., 25c.

COSMOS (Annual)

This beautiful annual is one of the most showy and useful of our garden plants. Plants grow from 4 to 6 feet in height, and are very bushy and compact. Excellent for cutting.

COSMOS EARLY EXPRESS

A new very early flowering Cosmos, which will produce flowers from seeds in forty-five days. 3 to 4 feet high.

	1/4 Oz.	Pkt.
Ear. Express Pink	\$0.35	\$0.15
" " Crimson	.35	.15
" " White	.35	.15
" " Mixed	.35	.15

MAMMOTH EARLY

The long-stemmed flowers are of immense size. The petals are broadly oval and overlap, forming a circular flower of perfect symmetry, having splendid substance and lasting qualities. 4 feet.

	1/2 Oz.	Pkt.		1/2 Oz.	Pkt.
Crimson	\$0.25	\$0.10	Pink	\$0.25	\$0.10
White	.25	.10	Mixed	.25	.10

GIANT FLOWERING (Late)

Broad petals, oval-shaped, and overlapping, and the perfect shape of the flowers, and the long lasting quality of this variety readily makes it a garden flower of great merit. 6 to 8 feet.

	1/2 Oz.	Pkt.
Crimson	\$0.25	\$0.10
Orange (Klondike) 1 1/2 feet	.35	.10
Giant Mixed, 1/4 lb., \$1.50	.25	.10
Lady Lenox, Pink. Lovely shell pink.	Pkt., 10c; 1/2 oz., 25c.	

Lady Lenox, White. A fine pure white selection from the above. Pkt., 10c; 1/2 oz., 25c.

Hybrida Finest Mixed. Our seed is all grown from a special strain; 6 feet. Pkt., 5c; oz., 35c.

CLARKIA ELEGANS (Annual)

This pretty and easily grown annual has been much improved in recent years, and the varieties offered below are now seen as cut flowers in most of the large cities of Europe; they do well either in sun or shade, growing 2 to 2 1/2 feet high, with leafy racemes of double flowers, which all open in water when cut. Seed sown in early fall will bloom the following spring.

	1/2 Oz.	Pkt.
Double White	\$0.35	\$0.10
" Scarlet Queen	.35	.10
" Salmon Pink	.35	.10
" Orange Scarlet	.35	.10
" Mixed. A fine mixture containing all the colors	.35	.10

CLEMATIS (Hardy)

Hybrids (Mixed). The best known and most valued climbing variety. A great variety of colors. Pkt., 25c.

Paniculata (Climbing). 15 feet. Fall-flowering vine with white flowers. Hardy. Pkt., 10c; 1/2 oz., 40c.

CLEOME (Giant Spider Plant) (Annual)

Large spikes of rosy carmine flowers. Large bushy plants; 3 to 4 feet high.

Gigantea. The finest strain. Pkt., 10c; 1/2 oz., 35c.

COBAEA (Cup and Saucer Vine) (Annual)

A rapid growing climber with handsome dark green foliage, bearing on graceful stems, large bell-shaped flowers, green at first but rapidly changing to a beautiful deep violet-blue. A wire netting trellis or support for the many green tendrils to fasten upon is preferable to cords or smooth wire.

Scandens, Blue. Large bell-shaped flowers. Pkt., 10c; 1/4 oz., 25c.

Scandens, White. Pkt., 10c; 1/4 oz., 30c.



Early Cosmos

COSMOS—Continued

Extra Early Double Crested Cosmos

This beautiful double Cosmos will bloom as early as the Mammoth Early Single variety. Plants grow from 3 to 5 feet tall. Our strain will give about 65% of double flowers from seed, the other 35% being semi-double and single.

	Pkt.		Pkt.
Pink	\$0.15	Crimson	\$0.15
White .....	.15	Mixed ¼ oz., 60c	.15

DOUBLE COSMOS (Late)

These new hybrids form bushy plants 5 to 6 feet high and flower profusely during the Autumn months. Only 40 to 50 per cent of the plants will bear double flowers, the balance producing large single blossoms.

	¼ Oz.	Pkt.
Double Pink Beauty	\$0.30	\$0.10
" White Queen .....	.30	.10
" Crimson King .....	.30	.10
" Mixed .....	.30	.10

COTTON (Annual)

Grown extensively for decorating purposes. Very showy and attractive. 3 ft. Pkt., 10c; oz., 15c.

CRUCIANELLA (Perennial)

Stylosa. 18 in. July. Tangled masses of elegant foliage, crowded heads of light red flowers. Pkt., 10c.

CUPHEA (Pot Plant)

Platycentra. A very pretty border plant. Very showy for borders and bedding. Dwarf habits. 1 ft. Pkt., 15c.

CYCLAMEN (Pot Plant)

They are among the best plants recommended for house culture, as they thrive well and bloom profusely in the average temperature of the living room. Mixed. Pkt., 25c.

CYNOGLOSSUM (Annual)

(Chinese Forget-me-not)

Amabile. An annual recently introduced from China; of the easiest culture, forming strong plants 18 to 24 inches high and producing



Double Cosmos



Cypress Vine

through the summer months sprays of intense blue Forget-me-not-like flowers, delicately sweet scented. Pkt., 10c; ½ oz., 25c.

CYPERUS (Umbrella Plant)

Alternifolius. An excellent plant for growing in water and damp places, makes a very ornamental house plant, always presenting a green and attractive appearance. Pkt., 15c.

CYPRESS VINE (Annual)

One of the most popular vines, with very delicate fern-like foliage, and masses of beautiful, small, star-shaped flowers. Sow in May, first soaking the seed in warm water for a few hours. 15 feet.

	Oz.	Pkt.
Scarlet	\$0.20	\$0.05
White .....	.20	.05
Mixed .....	.15	.05

DAHLIA

Dahlias can be grown easily from seed so as to produce flowers the first year. In it can be found beautiful combinations of colors and marvelous blendings of shades and tints. 3 to 4 feet.

		Pkt.
Double Mixed	¼ oz., \$0.50	\$0.10
Single Mixed	½ oz., .35	.10
Cactus Mixed	¼ oz., .60	.15

St. Louis Seed Co.'s Dwarf Large flowering Hybrids. A new selection of unusual grace with giant flowers and comprising the very best types and colorings in existence. Sow seed early in spring and you will have flowers during July. A very dwarf single dahlia. 1½ feet. Mixed. Pkt., 25c; ¼ oz., 75c.

DAISY (Perennial)

African Golden Daisy. (See Dimorphotheca, page 58.)

Shasta Daisy (Alaska). Splendid perennial plants with large single white flowers with yellow centers. Seed may be sown in the open ground early in spring but better results are usually obtained from sowings made in boxes indoors and plants set out after they have made some growth. Height 3 feet. Pkt., 10c; ¼ oz., 40c. The Prince (New) large pure white flowers five inches in diameter, on strong stems 18 inches or more in length, blooms about July 1st. Pkt., 15c.

DATURA (Annual)

Angel's "Trumpet." A new annual variety and exceedingly fine, bearing great trumpet-like white and lilac flowers, 6 to 8 inches long; plants 2 feet high. Pkt., 10c; ½ oz., 30c. Golden Queen. Bright yellow flowers. Pkt., 10c; ½ oz., 30c.

DELPHINIUM (Perennial Larkspur)

There is perhaps no better known hardy plant than the Delphinium. The Delphiniums are the most beautiful hardy plants in cultivation, for they have such an immense variety of beauty and increase in size, in beauty, and often in quantity, year after year. Some varieties grow 8 feet high in rich soil. They have immense spikes of most beautiful flowers of every imaginable shade of blue, and their season is long; in fact, they will bloom from Spring till Fall.

The culture of Delphiniums is exceedingly simple. Seeds sown in beds or flats during March or April or September will bloom the following spring. Cover the seed lightly and shade the seed bed during September. The first transplanting may be made when plants are sufficiently large, spacing them about 6 inches apart. They thrive in almost any position, and may be planted at any

time of the year, provided that in summer the plants are not too forward, and that they be well watered if the weather is dry. The soil may be a rich, friable loam, which suits them finely; but any soil, even hot and sandy, if well watered and manured, will give excellent results. Placed in lines, as a background to a border, or in groups, of, say, three plants at intervals, the effect of the Delphinium is exceedingly fine. A succession of flowers may be expected from Spring to early Autumn, especially if the spikes, which have done flowering early, be cut down to the ground; fresh growth will then be produced which will give blossoms. Watering in Summer will increase size of spike and flower. Top-dressing is greatly recommended on certain soils, instead of the bare surface of the ground being left exposed to the sun.

Cliveden Beauty. A greatly improved strain of the popular Belladonna, with a brighter, larger blue flower, a more vigorous and taller growth and excelling any other Belladonna we have ever seen for continuous blooming. It comes true from seed. Pkt., 15c; $\frac{1}{4}$ oz., 65c.

English Wrexham Hollyhock Strain. Their graceful spire shaped spikes of enormous size and beauty of form are rapidly bringing them to the front as the most popular flower for cutting or the garden. This mixture contains all the colors in Delphiniums, including both double and single flowers. Pkt., 25c; $\frac{1}{8}$ oz., 85c.

Belladonna. This is one of the finest and most continuous blooming hardy Larkspur. The clear turquoise-blue of its flowers is not equalled for delicacy and beauty. They are our best blue cut flowers, are perfectly hardy and established plants produce a number of spikes. Pkt., 15c; $\frac{1}{4}$ oz., 60c.

Bellamosum. A dark blue of the type of Belladonna with the color of the old Formosum variety. Pkt., 15c; $\frac{1}{4}$ oz., 65c.

Iceberg. This is the first white perennial Delphinium which comes true from seed. It belongs to the elatum class and grows 48 inches high. The 20 inches long spikes are thickly covered with large pure white blooms. These plants are especially noted for their strong healthy growth; they flower from June to August. Pkt., 25c.

St. L. S. Co.'s Large Flg. Hybrids. The strain we offer is not only replete with a range of remarkably handsome shades but has the additional quality of giving individual florets of immense size and handsomely formed spikes. The colors range from palest sky blue through such shades and colors as indigo, sapphire, dark blue, purple, violet, cornflower blue, etc. Pkt., 15c; $\frac{1}{4}$ oz., 75c.

St. L. S. Co.'s Double Hybrids. A splendid mixture of large double flowering varieties. Pkt., 15c; $\frac{1}{4}$ oz., 65c.

Chinese Blue. A lovely azure blue Delphinium flowering from the seed the first season if the seed is sown in early spring. The height is twelve to eighteen inches. Excellent for Rock Garden. Pkt., 10c; $\frac{1}{4}$ oz., 30c.

Chinese White. The white-flowered form of the preceding. Pkt., 10c; $\frac{1}{4}$ oz., 30c.

Chinese Mixed. A very pleasing mixture containing dark blue, light blue and white. Pkt., 10c; $\frac{1}{4}$ oz., 30c.

DELPHINIUM PLANTS

1 Year Old, Ready April 15th to May 10th

Belladonna Improved. The freest and most continuous blooming of all. Clear turquoise blue.

Bellamosum. This is a dark blue form of the popular light blue Belladonna, with which it is identical in habit of growth.

Price of the above 20c each; \$2.25 per dozen.



Delphinium



DIANTHUS PLUMARIUS CYCLOPS. A Fine Rock Garden Plant

DIANTHUS OR PINKS (Annual)

The family of Pinks is unrivaled for brilliancy and rich variety of color; the plants are bushy, of symmetrical form—blooming perfectly until fall.

Sweet Wivelsfield. This new annual is a hybrid, being a cross between Dianthus Allwoodi and the Sweet William; seed started indoors in January and planted out in April will commence to flower in May, blooming all summer in a great variation of colors. 10 inches. Pkt., 15c; $\frac{1}{4}$ oz., 50c.

DOUBLE

Fireball. Double brilliant scarlet. Pkt., 10c; $\frac{1}{2}$ oz., 40c.

Snowball. Large double white. Pkt., 10c; $\frac{1}{2}$ oz., 40c.

Laciniatus Double Mixed. Large double flowers, edges fringed; in a great variety of colors. Pkt., 10c; $\frac{1}{2}$ oz., 35c.



Dianthus or Pinks

Chinese Double. Mixed (China or Indian Pink). Blooms in clusters, flowers very double and bloom in a large range of bright colors. Pkt., 5c; oz., 35c.

DIANTHUS SINGLE ANNUAL

These single sorts contain beautiful varieties, flowers often measuring 2 to 3 inches in diameter, and are very effective for borders or beds.

Nobilis Single Mixed. A beautiful fringed variety. Pkt., 10c; $\frac{1}{2}$ oz., 35c.

HARDY GARDEN PINKS

Large Flowering Grass or Spice Pinks. These varieties are well adapted for beds and borders; delightful, refreshing, spicy odor; should be in every garden where cut flowers are wanted, and make a fine edging to a hardy border. Bloom all summer.

Dianthus Plumarius Cyclops. Single perpetual, various colors with blood red eye. Pkt., 10c; $\frac{1}{4}$ oz., 35c.

Plumarius Single Mixed (Pheasant's Eye). Pkt., 5c; $\frac{1}{2}$ oz., 25c.

Plumarius Double Mixed. Pkt., 10c; $\frac{1}{4}$ oz., 35c. *

Allwoodi (New Perpetual-flowering Hardy Pinks). The seed which we offer comes to us direct from the introducer, a noted English specialist. They flower continuously from Spring until Autumn. Mixed colors. Pkt., 20c.

Caesius Gr. Fl. (Cheddar Pink). A splendid rock plant, forming dense tufts a few inches high and sweet scented bright rosy-pink flowers in May and June. 4 inches. Pkt., 15c; $\frac{1}{4}$ oz., 40c.

Latifolius. Double Scarlet. 1 ft. Pkt., 10c; $\frac{1}{4}$ oz., 25c.

Deltoides (Maiden Pink). Dwarf carmine rose. 6 inches. Pkt., 15c.

DICTAMNUS (Gas Plant) (Perennial)

A very showy, hardy border perennial, forming a bush about 2½ feet in height, having fragrant foliage and spikes of curious flowers during June and July. Seed somewhat slow in germinating. Sow outside in fall. Mixed. Pkt., 15c.

DIDISCUS (Annual)

Coeruleus (Blue Lace Flower). 2 feet. An annual, blooming from July until frost; color, pale lavender; excellent for cutting. Pkt., 10c; $\frac{1}{4}$ oz., 25c.

DIGITALIS (Foxglove) (Perennial)

Handsome and highly ornamental hardy plants of stately growth, succeeding under almost all conditions, and with but little attention will give a wealth of flowers during June and July. They are now used extensively with good effect for naturalizing in shrubberies, the edge of woods and other half shady places; 3 to 5 feet. Giant Mixed. Pkt., 10c; $\frac{1}{2}$ oz., 30c.



Four O'Clock, or Marvel of Peru

DIMORPHOTHECA (Annual)
(African Golden Daisy)

An extremely showy annual daisy from South Africa, which suits our climatic conditions perfectly. The bushy plants grow 12 to 15 inches high. Seed may be sown in the same way as *Asters* or *Petunias*, and should have a dry, sunny position. They bloom the greater part of the summer and fall.

	1/4 Oz.	Pkt.
Golden West	\$0.30	\$0.10
Impr. Orange .....	.30	.10
Salmon Beauty .....	.30	.10
Mixed .....	.30	.10

Ringens. This is a new form of *Dimorphotheca* or *Veldt Daisy*, recently introduced from South Africa. The individual flowers are large pure white on the inside with a very conspicuous blue ring around the center or eye of the flower. Pkt., 10c; 1/8 oz., 35c.

• **DOLICHOS (Hyacinth Bean) (Annual)**

A rapid growing annual climber, flowering freely in erect racemes, followed by ornamental seed-pods; for covering arbors, trellises, etc. Sow the seed in the garden in beds where they are to remain. 10 feet.

White. Pkt., 5c; oz., 15c.

Purple. Beautiful purple. Pkt., 5c; oz., 15c.

Mixed Colors. Pkt., 5c; oz., 15c.

Lignosis (Australian Pea Vine). A rapid growing, ever green climber, flowering freely in clusters of rose pea-shaped flowers. Pkt., 10c; 1/2 oz., 40c.

DRACAENA (Dragon Plant)

Indivisa. Beautiful ornamental-leaved plants; long, narrow green foliage; indispensable for vase and house decorations. Pkt., 10c; 1/2 oz., 30c.

ECHINOPS (Globe Thistle) (Perennial)

Ritro. Striking hardy perennial plants, with handsome silvery thistle-like foliage and fine steel-blue flowers in round heads, which can be used for cutting. Excellent for the back of the hardy border among other tall plants; 3 to 5 feet. Pkt., 10c; 1/2 oz., 25c.

ERYSIMUM (Annual)

Perofskianum. This annual Border Plant is one of the sweetest scented annuals in cultivation. It is a beautiful orange yellow. 2 feet. Pkt., 10c; 1/2 oz., 25c.

ESCHSCHOLTZIA (California Poppies) (Annual)

Beautiful and popular annuals, being of the easiest culture and giving great satisfaction. From Spring-sown seeds they flower profusely until late in the Autumn, making them valuable bedding plants. 1 foot.

	1/2 Oz.	Pkt.
Californica. Bright yellow	\$0.25	\$0.10
Carminc King. Carminc-rose .....	.25	.10
Purple Glow .....	.25	.10
Mixed, Pkt., 5c; 1 oz., 25c.		

EUPHORBIA (Poinsettia) (Annual)

Variegata (Snow-on-the-Mountain). Is very popular. Green foliage, veined and margined white; 2 to 4 feet. Pkt., 10c; 1/2 oz., 25c.

Heterophylla (Mexican Fire Plant or Fire-on-the-Mountain). An annual, resembling the beautiful hothouse poinsettia in habit and color. About 3 feet. Pkt., 10c; 1/2 oz., 35c.

EVERLASTING OR STRAWFLOWERS
(Annual)

These should be grown in every garden, not only for summer blooming, but also as dried cut flowers for winter decoration. Mixed colors. Pkt., 10c; 1/2 oz., 25c.

FERNS

A beautiful plant used for foliage, bouquets, etc. Are a favorite everywhere and are very easily grown. Sow seed in rich loam.

	Pkt.
Fine Mixed. Greenhouse species	\$0.20
Hardy. Species for outdoor .....	.20

FEVERFEW (Matricaria)

An old garden favorite. This is the hardy annual *Feverfew*. Elegant for cutting.

Double White. About 2 feet. Pkt., 10c; 1/2 oz., 25c.

Golden Ball. Beautiful yellow. 8 inches. Pkt., 15c; 1/8 oz., 30c.

FOUR O'CLOCKS (Annual)

Four O'Clocks, or Marvel of Peru. This is another good old-fashioned flower of bushy habit, bearing hundreds of flowers during the season, of white, yellow, crimson and violet. 2 feet. Pkt., 5c; oz., 15c; 1/4 lb., 45c.

Foxglove. See *Digitalis*, page 55.



Dimorphotheca Ringens

FORGET-ME-NOT (Myosotis)
(Perennial)

These dainty elegant little flowers are hardy perennials, if given slight protection through the winter, that love cool, moist soil, and like pansies, bloom most freely in the Fall and Early Spring.

Palustris Semperflorens. An everblooming variety beginning in May and continuing till Autumn. An excellent variety for Rock Garden. Large, clear, blue. 1 ft. Pkt., 15c; $\frac{1}{8}$ oz., 35c.

Indigo Blue. Early and free flowering, with the deepest indigo-blue flowers produced on long sprays which are excellent for cutting; 9 inches. Pkt., 10c; $\frac{1}{4}$ oz., 35c.

Oblongata Perfecta. A very fine variety for forcing. Long stems, deep blue flower. 1 ft. Pkt., 10c.

Victoria Rose. Dwarf. 8 inches. Pkt., 15c; $\frac{1}{8}$ oz., 35c.

Victoria Blue Dwarf. Bright azure blue. Very early. 8 inches. Pkt., 15c; $\frac{1}{8}$ oz., 35c.

Mixed. A pretty trailer. Pkt., 10; $\frac{1}{4}$ oz., 35c.

FUCHSIA (Eardrops)
(Pot Plant)

Finest Mixed. This elegant pot variety is one of our showiest plants. Pkt., 25c.

GAILLARDIA (Annual)
(Blanket Flower)

Splendid showy annuals, remarkable for the profusion, size and brilliancy of their flowers, continuing in bloom from early summer till November; excellent for beds, borders, or for cutting; should be sown where they are to bloom; $1\frac{1}{2}$ ft. **Double Mixed.** A splendid variety of mixed colors. Pkt., 5c; $\frac{1}{2}$ oz., 25c.

Single Mixed. Highly colored as the Perennial. Pkt., 5c; $\frac{1}{2}$ oz., 25c.

GAILLARDIA GRANDIFLORA
(Perennial)

Showy garden plants for beds or borders, producing from early summer until fall, gaily colored single flowers of scarlet and orange. The flowers should be kept picked to insure a continuance of bloom. Hardy perennial but blooms the first year from early sown seed. 2 to $2\frac{1}{2}$ feet.



Forget-Me-Not



Gaillardia

Burgundy. The shining wine-red blooms about $2\frac{1}{2}$ inches in diameter are produced liberally on long stems by the bushy plants $2\frac{1}{2}$ feet high. They flower from June until the autumn. Burgundy Gaillardia is most effective both in the perennial borders and when cut. Pkt., 10c; $\frac{1}{8}$ oz., 40c.

Portola Hybrids. Flowers of immense size; shades of bronzy red with golden-tipped petals. Pkt., 15c; $\frac{1}{4}$ oz., 50c.

Dazzler. Large, dull red flowers. Pkt., 10c; $\frac{1}{4}$ oz., 40c.

Compacta Mixed. Pkt., 10c; $\frac{1}{2}$ oz., 40c.

GAILLARDIA PLANTS

Ready April 15th to May 10th

Grandiflora Hybrids. Each, 20c; Doz., \$2.25.

GERANIUMS (Pot Plant)

These grow readily from seed and produce blooming plants the first summer. There is a great deal of pleasure in watching them develop from seed.

Zonale, Mixed. Pkt., 10c; $\frac{1}{4}$ oz., 60c.

Apple Scented. Highly esteemed on account of its fern-like fragrant foliage; 1 foot. Pkt., 15c.

GERBERA (Transvaal Daisy)
(Pot Plant)

Jamesoni Hybrida. Splendid green-house perennials with large daisy-like flowers; fine for pot plants or for cutting. These hybrids include many brilliant colors and shades. Pkt., 25c.



Gloxinia

GEUM (Perennial)

Beautiful hardy perennials, bearing a profusion of large, showy double flowers the entire summer.

Lady Stratheden (Golden Ball). It is a counterpart of the popular scarlet variety Mrs. Bradshaw, only the blooms are a rich golden yellow. 1½ ft. Pkt., 15c; ⅛ oz., 35c.

Mrs. Bradshaw. Double. The orange-scarlet flowers are very large and full; comes quite true from seed and blooms the first year. 2 feet. June-September. Pkt., 15c; ¼ oz., 50c.

GILIA (Annual)

Capitata Blue. Gilia is attractive and graceful, with small round flower-heads borne profusely on plants 15 to 24 inches tall. The plants begin blooming in 10 to 12 weeks after sowing. Very free flowering. Blooms for many weeks and is excellent for cutting. Of easiest culture and very showy. Pkt., 10c; ½ oz., 25c.

GLOXINIA (Pot Plant)

Gloxinias are most charming greenhouse plants, of dwarf habit. Their flowers are produced in greatest profusion, and of the most exquisite and gorgeous colors, many of which are magnificently spotted, mottled and blended.

Giant Hybrids, Mixed. Pkt., 25c.

GODETIA (Annual)

The flowers are of handsome shape, in the most brilliant as well as delicate colors, and are produced in marvelous profusion. It thrives well in a shady situation. Of easiest culture. 2 feet. Mixed Pkt., 10c; ½ oz., 25c.

Dwarf. Double Pink. Excellent for Pots. 1 ft. Pkt., 10c; ¼ oz., 25c.

GOURDS—ORNAMENTAL (Annual)

They attain the remarkable growth of from 10 to 20 feet in height and are grown extensively for household as well as ornamental purposes.

	Pkt.
Dipper. Useful for many household purposes	\$0.05
Dish Cloth. Sponge-like, porous lining is dried and used in the bath or for dish cloth	.05
Hercules' Club. The longest of any	.05
Japanese Nest Egg. Resembles hen's eggs	.05
Pipe Calabash. The stem ends of the fruits are much used in making pipes	.05
Sugar Trough. Very light, but durable	.05
Small Varieties, Mixed. 1 oz., 25c	.05

GOMPHRENA (Annual)

Also called “Bachelor's Buttons”; a showy annual, everlasting; flowers resemble clover heads

and when dried are used for winter bouquets; fine for bedding. 1 foot.

	½ Oz.	Pkt.
Pink	\$0.25	\$0.10
Purple	.25	.10
Mixed	.25	.05

GRASSES—ORNAMENTAL

For large beds or groups on lawns used in many of the finest public parks, etc.

	Pkt.
Briza Maxima. Quaking Grass. Annual. 1½ foot	\$0.10
Coix Lacryma (Job's Tears). 2 ft.; annual	.10
Gynerium Argenteum (Pampas Grass). Most noble grass in cultivation. 6 ft.; perennial	.10
Lagurus Ovatus (Hare's Tail Grass). Bushy and puffy; annual. 1 ft.	.10
Eulalia Zebrina (Zebra Grass). Light green, barred with creamy white; hardy	.10
Pennisetum Rueppelianum. Purple fountain grass. 3 feet. Annual	.10
Pennisetum Longistylum. 2½ feet. Tender ornamental grasses, valuable either as individual specimens in the garden or for massing, while as for border plants for beds of Cannas or Caladiums nothing equals them. Extremely graceful greenish white plumes. Annual	.10
Stipa Pinnata (Feathered Grass). Hardy. 2 to 3 feet	.10
All Colors, Mixed. ¼ oz., 25c	.10

GREVILLEA (Silk Oak) (Pot Plant)

Robusta. A very beautiful and graceful decorative plant with fern-like foliage; excellent for table decoration. Pkt., 10c; ¼ oz., 30c.



Geum

GYPSOPHILA (Annual)

Gypsophilas are valuable for bouquet-making, either green or dried. They are very graceful. 1½ feet.

- Paris Market. White. Pkt., 10c; oz., 25c.
- Rose Elegans. Rose. Pkt., 10c; oz., 25c.

GYPSOPHILA (Perennial)

- Paniculata (Baby's Breath). Flowers single white. It blooms first year if sown early. Pkt., 10c; ½ oz., 25c.
- Paniculata, Fl. Pl. The double flowering Baby's Breath. 2½ feet. Pkt., 15c; ⅓ oz., 50c.
- Repens Mixed. Dwarf Baby's Breath. Splendid in rockery. 6 inches. June. Pkt., 10c; ⅓ oz., 40c.
- "Pacifica". Rose colored; begins to flower when the paniculate varieties have passed. Excellent for cutting. Pkt., 15c.

**HELIANTHEMUM (Rock or Sun Rose)
(Perennial)**

Mixed. An excellent dwarf creeping perennial for dry soils. Flowers in rose, pink, and white during May and June. Hardy and free blooming, but should be sown right out in the open where to bloom. 8 inches. Pkt., 10c; ¼ oz., 35c.

HELICHRYSUM (Strawflower) (Annual)

One of the best and most popular of the everlasting flowers; the varieties offered below are all of the Monstrosum type. 2 to 2½ feet.

	½ Oz.	Pkt.
Canary Yellow	\$0.35	\$0.10
Fireball—Crimson .....	.35	.10
Salmon Pink .....	.35	.10
Silver Ball—White .....	.35	.10
Violet Queen .....	.35	.10
Golden Ball—Golden Yellow .....	.35	.10
Carmine Rose .....	.35	.10
Mixed .....	.35	.05

**HELIOPSIS (Perennial)
(Orange Sunflower)**

Lemoine Strain. A desirable hardy herbaceous plant, growing from 3 to 4 feet high, beginning to flower early in the season, and continuing the entire summer. The semi-double flowers are of a beautiful deep golden-yellow color about 2 inches in diameter and very graceful for cutting. Pkt., 15c.



Helichrysum

HELIOTROPE (Annual)

This fragrant plant has an individual charm all its own. Its somber green foliage and large clusters of dark blue to deep violet flowers lend themselves in the border to pleasant contrasts with the more vivid leaves and flowers of most other plants.

- St. L. S. Co.'s Giant Mixed. Deliciously fragrant flowering plants, growing about 18 inches high; great favorites for pot culture. Pkt., 10c; ¼ oz., 50c.
- Queen Margaret. Beautiful deep blue. 2 feet. Pkt., 10c; ⅓ oz., 30c.

HEUCHERA (Perennial)

Sanguinea Splendens. Dwarf, compact plants with numerous flower-spikes held above the foliage on graceful, slender stems. The flowers are rich crimson. Blooms profusely from late May until July. Grows about 12 inches tall, and is excellent for cutting. Pkt., 15c.

HIBISCUS (Marshmallow) (Hardy)

Mallow Marvel. A greatly improved form; gigantic single flowers; many shades of red, pink, purple and white in mixture. July. 4 ft. Pkt., 10c; ½ oz., 35c.

HONESTY (Moonwort) (Biennial)

Biennis Alba. Hardy biennial admired for its silvery seed pods which are used for ornamental purposes; beautiful and curious; 3 to 4 feet. Pkt., 10c; ½ oz., 35c.

HOP (Annual)

Japanese Variegated. Rapid Summer climber, in three or four weeks time attaining a height of 20 to 30 feet. Pkt., 10c; ½ oz., 25c.

HUNNEMANIA (Annual)

Fumariaefolia. The plants grow into a shrubby bush 1½ ft. high and produce large cup-shaped flowers; July. Yellow. Pkt., 10c; ½ oz., 35c.



Heliotrope



Hollyhock

HOLLYHOCKS (Hardy)

For a background to a flower garden nothing is better than the improved strains we offer of this tall old-fashioned garden perennial. The large, richly colored blossoms about three inches across, ranging from deep yellow and red to pure white, are set as rosettes around the strong growing flower stalks. July and August.

Sow seed in June or July, in open ground and in the autumn transplant to permanent position two or three feet apart. The following summer they will bloom.

Imperator. This splendid Hollyhock bears flowers 5½ to 6½ inches across, consisting of wide outer petals elegantly frilled and deeply fringed in the center of which appears a very double rosette about 2 inches across. **Giant Mixed.** Pkt., 15c; ⅛ oz., 35c.

Exquisite Double Fringed Mixed. This beautiful mixture contains the most artistic shades of orange, pink, chamois, rose, salmon, and purple. A Triumph of Beauty. Pkt., 15c.

Newport Pink. One of recent introductions, and awarded a Certificate of Merit by the Royal Horticultural Society of England, an unusual honor. It is the finest pure pink, double variety, exquisite in shade, flowers very double. Pkt., 10c; ¼ oz., 35c.

Chater's Superb Double. An extra fine strain. The plants are hardy and large, robust growers.

	Pkt.		Pkt.
White	\$0.10	Deep Rose	\$0.10
Crimson .....	.10	Salmon Pink .....	.10
Yellow .....	.10	Maroon .....	.10

Mixed, ¼ oz., 35c; Pkt., 10c.

Single Mixed. Flowers mammoth in size, fringed pink to deep red in color. Pkt., 10c; ½ oz., 25c.

HOLLYHOCKS ANNUAL EVER-BLOOMING

While these are also hardy perennial varieties if seed is sown early in spring they will bloom the first season. **Double Ever-Blooming Mixed.** Pkt., 10c; ½ oz., 40c.

ICE PLANT

Handsome and curious plant for hanging baskets, rock work, vases and edgings. Trailer. Pkt., 10c; ½ oz., 35c.

IMPATIENS SULTANA (Pot Plant)

The Zanzibar, or Sultan's Balsam. Ideal for either pot or garden culture; a tender perennial that cannot be surpassed. Mixed. 1½ ft. Pkt., 15c.

INCARVILLEA (Perennial)

Variabilis Hybrids. (Chinese Gloxinia.) Of recent introduction, having beautiful tubular shaped Begonia-like flowers of pink, salmon and yellow, a fine plant for beds and borders. Although a hardy perennial, it blooms the first season from spring-sown seed. Mixed. Pkt., 15c.

KOCHIA (Burning Bush) (Annual)

An easily grown foliage or hedge plant which makes a very rapid growth and presents an extremely symmetrical and attractive appearance. Called "Mexican Fire Plant." Pkt., 5c; 1 oz., 25c.

KUDZU VINE (Perennial)

Jack and the Bean Stalk

A twining vine of remarkably rapid growth, hardy foliage large and lobed; purple, pea-shaped flowers in clusters, borne late in the season. Pkt., 10c; oz., 35c.

LANTANA (Annual)

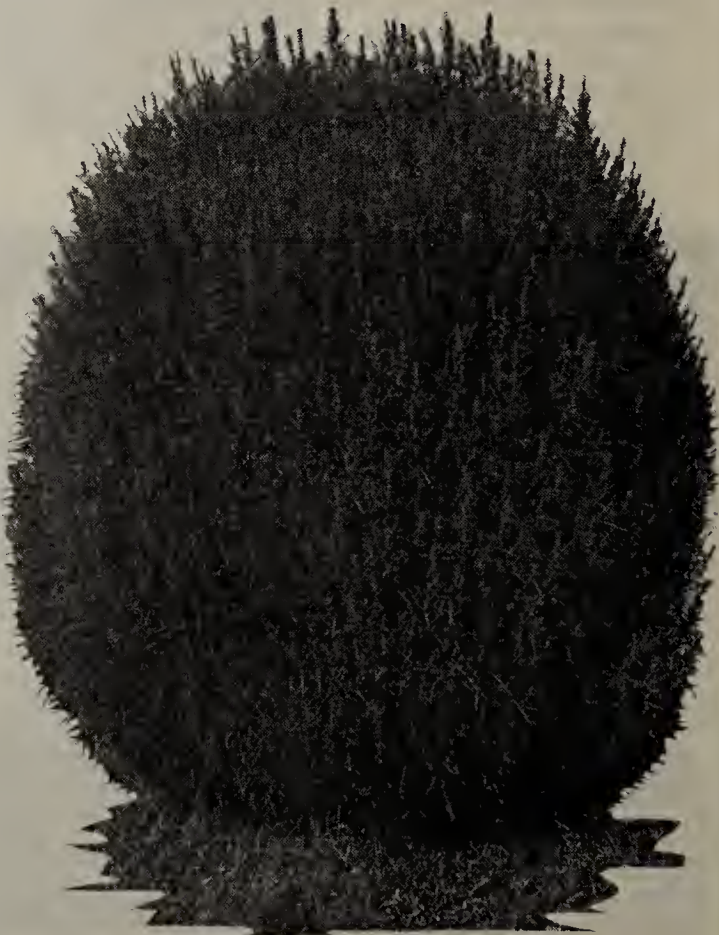
Hybrida, Dwarf Mixed. Of dwarf growth, they will be found a great improvement upon the older sort, and a splendid acquisition to our list of window and garden flowers; 1 ft. All summer. Pkt., 10c; ¼ oz., 30c.

LAVATERA (Annual Mallow)

Rosea Splendens. A very beautiful and showy annual, growing about two feet high and covered during the entire Summer with large shrimp-pink flowers. Pkt., 10c; ½ oz., 25c.

LAVENDER (Lavendula Vera) (Perennial)

Well-known, hardy perennial, bearing long spikes of fragrant blue flowers; excellent for the mixed border; 18 inches. Pkt., 10c.



Kochia

LARKSPUR (Annual) Hardy Larkspur. See Delphinium

This is one of the best-known garden flowers, and in recent years a vast improvement has been effected by careful selection in size and color of the blossoms and the general habit of the plant. Seeds sown in the open ground before the close of April will produce flowering plants by the beginning of July, and give a continuous succession of flowers from then until frost, a record that is not surpassed by any other annual. They make handsome beds or lines, and their free, graceful habit and bright colors are very effective when interspersed in the old-fashioned flower or shrubbery border. They stand well when cut and a vase of one or mixed colors is indeed charming. 3 to 4 feet.

GIANT IMPERIAL BRANCHING

As the base branching habit of this group of Larkspurs is identical with the base branching habit of Giant Imperial Stock. These Larkspurs are ideal for cut flowers as the flower stems, three to four feet long, branch from the base of the plant. This group really originated with the introduction of Exquisite Pink Improved and Exquisite Rose, both of which received an "Award of Merit" from the Royal Horticultural Society.

GIANT HYACINTH FLOWERED LARKSPUR

The flowers are large, very double and borne on spikes resembling a double Hyacinth; 3 feet. Mixed Colors. Pkt., 10c; 1/2 oz., 35c.



Larkspur Emperor Dwarf Branching

Blue Spire. Deep oxford blue. Pkt., 15c; 1/4 oz., 35c.

Carmine King. Deep carmine rose. Pkt., 15c; 1/4 oz., 35c.

Exquisite Pink Improved. A charming soft pink. Pkt., 15c; 1/4 oz., 35c.

Exquisite Rose. Similar in every way to Exquisite Pink Improved, but of a rich deep rose color, a lovely shade. Pkt., 15c; 1/4 oz., 35c.

Gloria. A rich tone of deep rose with no trace of carmine. Gloria will satisfy the desire of those who want a deeper shade of rose than Exquisite Rose. Pkt., 15c; 1/4 oz., 35c.

Lilac Spire. Lilac Spire is the beautiful lilac color so popular in Larkspurs. Pkt., 15c; 1/4 oz., 35c.

Miss California. Deep pink shaded salmon. Pkt., 15c; 1/4 oz., 35c.

Peach Blossom. A very delicate clear tone of light pink. Pkt., 15c; 1/4 oz., 35c.

White Spire. This variety is twice as white as any other white larkspur. Pkt., 15c; 1/4 oz., 35c.

Empress Rose. A rich pink changing to hermosa pink. It is everblooming. 6 feet. Pkt., 15c; 1/4 oz., 35c.

Giant Imperial Mixed. Pkt., 15c; 1/4 oz., 35c.

LARKSPUR

Emperor Dwarf Branching Double Stock Flowered. About twenty-four inches high. Produces an abundance of long, slender spikes in the most delicate colors. Mixed. Pkt., 10c; 1/4 oz., 25c.

DOUBLE STOCK FLOWERING TALL

A charming mixture containing all the bright and delicate shades, makes wonderful cut flower material and should be planted generously.

	Pkt.		Pkt.
Dark Blue	.....\$0.10	White	.....\$0.10
Rose	..... .10	Rosy Scarlet	... .10
Lustrous Carmine	.10	LaFrance Pink..	.10
Lilac	..... .10	Sky Blue	..... .10
Mixed. Double flowering.	Pkt., 5c; 1/2 oz., 25c.		

LEPTOSIPHON (Annual)

A most attractive free-blooming border plant. Hybridus. An easily grown annual, growing from 8 to 10 inches tall. It is suited for sunny places in borders, small beds, or can be grown as a pot plant. The blooms appear 8 to 10 weeks after planting. They come in various shades of cream, yellow, orange, carmine, brown, lilac, and purple. We are sure that all who plant this will like it very much. Pkt., 10c; 1/2 oz., 35c.

LIATRIS (Blazing Star) (Perennial)

Mixed. A showy hardy perennial border plant, with large spikes of Rosy and violet purple flowers; 2 feet. September and October. Pkt., 10c.

LILY REGALE (Perennial)
(Lillium Myriophyllum)

Perfectly hardy and also excellent for forcing. The flowers are white, slightly suffused with pink, with a beautiful shade of canary-yellow at the center, and extending part way up the trumpet. It is delightfully perfumed, reminding one of the jasmine. Blooms out-of-doors early in July, and seedling bulbs will flower the second year. Pkt., 15c; 1/4 oz., 35c.

LINARIA (Perennial)

This interesting species bears flowers which resemble miniature Snapdragons terminating in single elongated spurs, which are little known but worthy of greater attention.

Cymbalaria (Kenilworth Ivy). A pretty perennial of trailing habit that can be treated as an annual. Sow the seed in hotbed in March. Flowers are bright lilac with a yellow throat. Very good for rock garden. Pkt., 15c.

LINUM

Scarlet Flax. One of the most effective and showy bedding plants of long duration, with brilliant scarlet-crimson flowers. Annual. 15 inches. Pkt., 10c; 1/2 oz., 25c.

Perenne. A desirable plant for the hardy border or rockery; light graceful foliage and large blue flowers all summer. Pkt., 10c; 1/2 oz., 30c.

LOBELIA (Annual)

The annual Lobelias are plants of dwarf, compact growth, 4 to 6 inches in height, covered with numerous small, star-like flowers. Very pretty when grown as an edging for flower beds, also for hanging baskets and vases.

Crystal Palace Compacta. Large, and deep blue flowers and bronzy foliage; 4 inches. Pkt., 10c; 1/8 oz., 40c.

Florists' Favorite Compacta. Brilliant dark blue with white eyes. Very dwarf. Pkt., 10c; 1/8 oz., 40c.

Sapphire. Trailing Lobelias are also coming much into demand. This variety is of remarkable strong growth and is called Sapphire, as the flowers show the wonderful deep blue of this gem. Pkt., 15c; 1/8 oz., 50c.

Cardinalis. Rich crimson flowers on fine long stems 2 to 4 feet tall. Blooms in June. Delights in moist soil. Hardy. Pkt., 25c.

LYCHNIS (Burning Star) (Perennial)
Hybrida Mixed. Grand hardy perennials. White, rose, vermillion, useful for beds and borders; 18 inches. Pkt., 10c.

Calcedonica (Jerusalem Cross.) 3 feet. June to August. Flowers which are of the most fiery red imaginable appear in cluster, each individual blossom forming a maltese cross. Will bloom from seed the first year. Pkt., 10c.

LYTHRUM (Loose-Strife)
(Perennial)

Roseum. A fine hardy perennial, producing spikes of rosy-pink flowers, July to Sept.; 3 feet. Pkt., 10c.

LUPINUS (Lupine) (Annual)

Free flowering, easily grown, with long, graceful spikes of rich and various colored pea-shaped flowers; valuable for mixed borders, beds and for cutting; prefers a little shade; 2 feet.

Texas Blue Bonnet. Pkt., 10c; 1/2 oz., 30c.
Yellow. Canary. Pkt., 10c; 1/2 oz., 30c.

	1 Oz.	Pkt.
Dark Blue	\$0.35	\$0.10
White .....	.35	.10
Sky Blue .....	.35	.10
Roseus .....	.35	.10
Mixed .....	.25	.05

NEW LUPINUS HARTWEGII GIANTS MIXED

A new improved strain of Annual Lupines. Hartwegii Giants are from three to four feet tall. Hartwegii Giants. Have the base branching habit, with four to six long spikes to a plant. Colors include dark blue, sky blue, rose and white. We feel confident that this new strain will increase the popularity of this fine Annual Lupine, so easily and quickly grown from seed. Pkt., 15c.

PERENNIAL VARIETIES

A beautiful perennial of easy culture, with graceful spikes of pea-shaped flowers; excellent for cutting, 2 1/2 to 3 feet. May and June.

	1/2 Oz.	Pkt.
Blue	\$0.25	\$0.10
Rose .....	.25	.10
Sunshine Yellow .....	.35	.10
White .....	.25	.10
Mixed .....	.25	.10

MALOPE (Mallow-Wort) (Annual)

2 feet. Showy plants for large mixed flower and shrubbery borders. The flowers are large and handsome.
Gr. Fl., Mixed. Pkt., 10c; 1/2 oz., 25c.



Lupinus

MARIGOLDS (Annual)

The African and French Marigolds are old favorite free-flowering annuals of easy culture; both are extremely effective and are well adapted for large beds or mixed borders; they succeed best in a light soil, with full exposure to the sun. A vase or bowl of any of the rich yellow sorts, in combination with a few blue Larkspur, is very striking.

AFRICAN MARIGOLD TALL

Orange All-Double. A new type of all double Marigold of the old favorite free flowering annual with their rich and showy flowers blooming all summer. Flowers are the same color as Orange Prince. 3 feet. Pkt., 15c; $\frac{1}{4}$ oz., 40c.

Lemon All-Double. Stately border type with very large globular flowers composed of compact masses of tubular or quilled petals. Splendid stems for cutting. 3 ft. Pkt., 15c; $\frac{1}{4}$ oz., 40c.

Guinea Gold. A distinct new type of Tagetes for cut flowers. Brilliant shade of orange flushed gold. Can be successfully cultured under glass, grown cool. Pkt., 10c.

DOUBLE AFRICAN MARIGOLDS

Splendid for beds or borders; about 3 feet high.

Lemon Queen. Tall growing plants bearing large, double flowers. Petals quilled. Color soft lemon yellow. Pkt., 10c; $\frac{1}{2}$ oz., 40c.

Orange Prince. The same type of plant and flower as Lemon Queen, but color is rich, deep orange. Pkt., 10c; $\frac{1}{2}$ oz., 40c.

Double Tall Mixed. A tall mixture well adapted for large beds. Pkt., 5c; $\frac{1}{2}$ oz., 25c.

DWARF SINGLE FRENCH MARIGOLD

Legion of Honor. (Little Brownie) A single flowering Marigold, forming compact bushes 9 inches high. Begins flowering early, commencing in June, continuing until frost. Pkt., 5c; $\frac{1}{2}$ oz., 25c.

**DWARF DOUBLE FRENCH MARIGOLDS**

Few annuals are as effective as the French Marigolds or flower for so long a period; they all form dense bushes not over 10 inches high, and are unequalled for borders or beds.

Golden Ball. A splendid pure golden yellow, flowers of good size and makes a very effective golden line or bed. Pkt., 10c; $\frac{1}{2}$ oz., 25c.

Dwarf, Double Striped. Brownish red, striped yellow. Pkt., 10c; $\frac{1}{2}$ oz., 25c.

Robert Beist. This dwarf French Marigold is very desirable as a cut flower. The color combination most pleasing, namely, velvety reddish brown with small golden center. Pkt., 10c; $\frac{1}{2}$ oz., 25c.

French Mixed. A splendid mixture saved from fine double flowers. Pkt., 5c; $\frac{1}{2}$ oz., 25c.



Marigold Dwarf French Double Mixed



Mignonette

MATTHIOLA (Annual)

Bicornis (Evening Scented Stock). A desirable annual on account of its delightful fragrance during the evening; color, purplish lilac. 1½ feet. Pkt., 10c; ½ oz., 25c.

MESEMBRYANTHEMUM (Annual)

Tricolor. A lovely little annual; splendid for the rockery, sunny banks, etc., with daisy-like flowers of crimson, pink and white. 6 inches. Pkt., 15c; ¼ oz., 35c.

MIMULUS (Tender Perennial)

Showy, profuse flowering plants; fine for greenhouse or moist, shady situations; half-hardy perennials.

Moschatus (Musk Plant). Fine for hanging baskets, etc. Small yellow flowers, fragrant foliage. 6 inches. Pkt., 10c.

Tigrinus (Monkey Flower). Fine mixed spotted; 1 ft. Pkt., 10c.

MORNING GLORIES (Annual)

Heavenly Blue. Early Flowering Rubro Coerulea. The flowers measure from 3½ to 4 in. across, sky-blue with a white throat. They are profuse bloomers and during a long season the vines are a mass of baby-blue blossoms. Sow two seeds in a two-inch pot and when thoroughly established and the weather is favorable, probably towards the end of May, the seedlings may be transplanted directly into the ground where they are to remain. Pkt., 10c; oz., 40c.

Imperial Japanese Fringed. Petals are of a large size and blotched with magnificent colorings of different shades and tints. Pkt., 10c; oz., 20c.

Rochester. Flowers 4 to 5 inches across, deep violet blue in the throat, blending out to an azure blue, bordered with a wide band around the edges. Pkt., 10c; oz., 20c.

Setosa (Brazilian Morning Glory). Setosa is the botanical name of this magnificent Summer climbing annual. The flowers are of beautiful rose. Pkt., 10c; oz., 20c.

St. L. S. Co.'s New Japanese Giant. The flowers of this variety are of largest size, often five inches or more across; very odd shades. Pkt., 15c; oz., 50c.

Fine Mixed. All colors. Pkt., 5c; oz., 15c; ¼ lb., 45c.

MIGNONETTE (Reseda) (Hardy Annual)

A well known hardy annual producing dense cone-shaped flower-spikes, made up of thickly set florets of modest colors. It is often used for cutting to combine in bouquets with other more pretentious flowers lacking its delicate and pleasing fragrance. Thrives best in a cool temperature.

Allen's Defiance. Will throw flower stalks of a foot in length, delicious fragrance. 12 to 15 inches. Pkt., 10c; ½ oz., 25c.

Golden Machet. Distinct variety of Machet, with massive spikes of golden-yellow blossoms. 1 ft. Pkt., 10c; ½ oz., 25c.

Red Goliath. The spikes of flowers are immense, measuring 6 to 8 inches long, 2½ inches in diameter; 1 ft. Pkt., 10c; ¼ oz., 25c.

New York Market. Of dwarf pyramidal growth, bearing numerous flower stalks; highly colored. Pkt., 15c; ¼ oz., 35c.

Large Flowering. Mixed. Pkt., 5c; 1 oz., 25c.

Marvel of Peru. See Four O'Clock on Page 56.

MINA LOBATA (Annual)

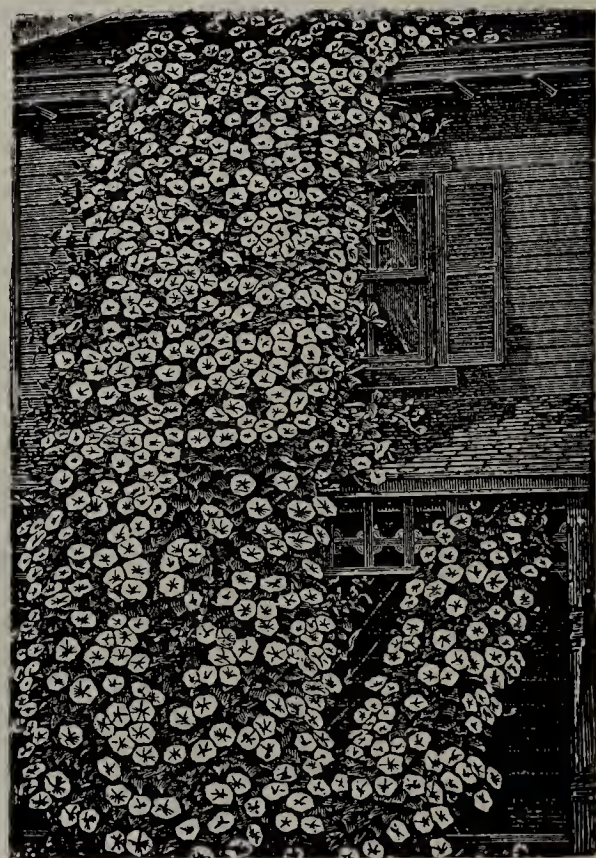
A valuable Mexican climber which will flower late in the season in a northern latitude but is of luxuriant growth in a milder climate. The vine is clothed with large heart-shaped leaves deeply lobed and bears many handsome floral sprays in pairs. The buds are scarlet and as the blossoms expand they turn through brilliant orange to primrose. Pkt., 10c.

MOON FLOWER (Ipomoea) (Annual)

White, Large Flowering. One of the most vigorous summer climbers and will grow under favorable conditions thirty to forty feet in a single season and be covered evenings and cloudy days with very large, white trumpet-shaped flowers widely extended. Seed should be cut through with a sharp knife, care being taken not to cut any deeper than the hard shell. Pkt., 10c; oz., 25c.

Blue. Pkt., 10c; oz., 45c.

Giant Pink. The soft lilac-pink. Pkt., 10c; oz., 25c.



Moon Flowers

NEMOPHILA (Annual)

Splendid free flowering hardy annuals, of very neat compact habit. Flowers are cup-shaped, appearing in many brilliant colors, the blue shades being particularly striking. 6 inches. Pkt., 10c; oz., 30c.

NASTURTIUMS (Annual)

Nasturtiums are among the best known and most popular of hardy annuals. Easily grown, and producing a great profusion of brightly colored flowers from within a few weeks after they are sown until they are killed by frost; they succeed best in rather light, well-drained soil.

NEW DOUBLE NASTURTIUM

Golden Gleam. A new novelty of semi-double golden yellow Nasturtium, introduced the past year by Bodger of California. This variety has received great merit wherever grown and where flowers have been placed for exhibition. Plants are bushy, 2 feet high, with green foliage and golden yellow flowers. Pkt., 15c; oz., 50c.

SHAW'S GARDEN HYBRIDS

The prettiest strain of Dwarf Nasturtiums. There's really no comparison in the beauty and color of the flowers. Mixed, Pkt., 10c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.35.

Fine Dwarf Mixed. Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., \$1.00.

DWARF OR TOM THUMB VARIETIES

Of dwarf, compact growth; excellent for borders or for bedding, forming plants about 1 foot high by 1 foot across.

Beauty. Light scarlet, splashed canary.

Cloth of Gold. Rich scarlet.

Empress of India. Brilliant crimson; dark foliage.

King Theodore. A scarlet-maroon; dark foliage.

Golden King. Rich golden yellow.

King of Tom Thumb. Scarlet.

Pearl. Pure white.

Regelianum. Deep purplish crimson.

Pkt., each, 10c; 1 oz., 15c; ¼ lb., 50c.

NASTURTIUM *TALL OR CLIMBING

Elegant and luxurious climbers for verandas, trellises, etc. May be used to cover unsightly railings and to trail over rough ground with fine effect. The seedpods can be gathered while green and tender for pickling; 6 to 10 feet.

HYBRIDS OF MME. GUNTHER

Climbing about six feet and covered from Spring to Fall with large substantial flowers of the most brilliant shades. Mixed, Pkt., 10c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.35.

Fine Mixed. Tall. Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., \$1.00.

NIEREMBERGIA (Annual)

Frutescens. Flowers white, shading to and veined lavender, an exceedingly graceful plant for hanging baskets, rockwork, etc. 1 foot. Pkt., 10c; ⅓ oz., 30c.

NEMESIA (Annual)

Compact, low growing plants producing an abundance of bright colored flowers of distinctive shape. The flowers are borne somewhat above the foliage and range in color from white through pale yellow and rose to orange and crimson.

Dwarf Mixed. A choice strain producing flowers of the largest size in rich and varied shades of color; 10 inches. August and September. Pkt., 15c; ¼ oz., 40c.

NICOTIANA (Annual)

(Ornamental Tobacco)

A beautiful hardy annual, fine for its sweet-scented and ornamental leaves. 2½ feet.

Affinis. An annual with sweet-scented, pure white star-shaped flowers. Pkt., 10c; ½ oz., 25c.

Sanderae. The entire bush being covered with large brilliant carmine red flowers. Pkt., 10c; ½ oz., 35c.

NIGELLA (Love in a Mist) (Annual)

Lovely garden annuals, with finely cut green foliage, and curious looking flowers and seed pods.

Double Mixed. Compact, free-flowering plants. Blue and white shades; 18 inches. Pkt., 10c; oz., 25c.

Double Blue. (Miss Jekyll). A lovely variety, with cornflower-blue blossoms; splendid for cutting; 18 inches. Pkt., 10c; oz., 25c.

PENTSTEMON (Beard Tongue)

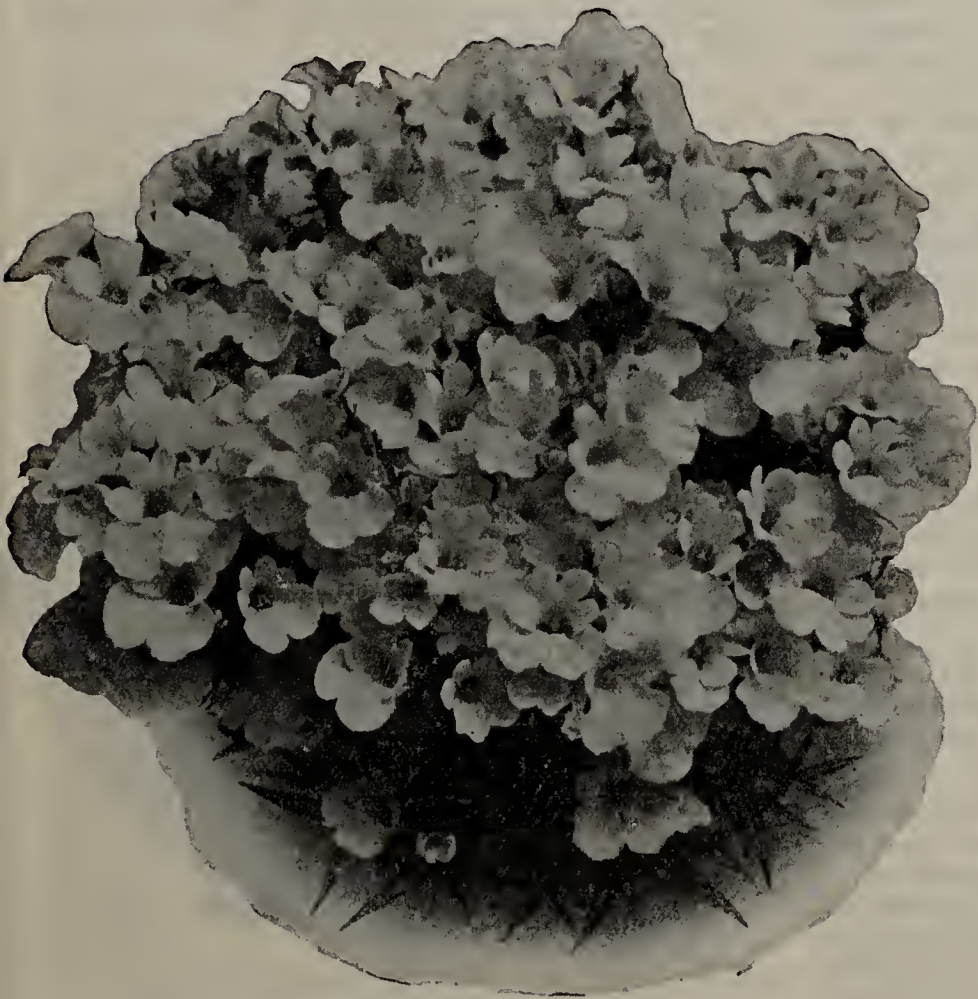
(Perennial)

Beautiful perennials plant for the harder border. The large Gloxinia shaped blossoms vary from pure white, pink, rose and crimson to mauve and purple, including many which are beautifully edged. Height, 2½ feet. June and July. Mixed. Pkt., 15c.

OENOTHERA (Evening Primrose)

Lamarckiana. They grow in branching form 1 foot in height and produce single poppy-like flowers of yellow color. Annual. Pkt., 10c; ½ oz., 25c.

Missouriensis. Large yellow flowers, often 5 inches in diameter, June till August; 12 inches. Hardy perennial. Pkt., 15c; ⅓ oz., 50c.



Nemesis

ST. LOUIS SEED CO.'S GIANT PANSIES

Seed may be sown indoors very early in spring, or a little later in the open ground, transplanted when an inch high. Such plants will commence to bloom in June. If sown in July, the plants will bloom in the fall, or if sown in September, the following spring. Well pulverized soil should be used and the seeds covered one-eighth to one-fourth inch deep with fine soil firmly pressed down. The largest and best flowers are produced by young plants which have been grown rather slowly in a partially shaded situation, and in very rich soil; coolness and moisture are necessary. A situation sheltered from high winds and exposed to the morning sun is most favorable and frequent sprinklings are advantageous. Grown indoors pansies make a good winter blooming pot plant. Hardy perennial but usually grown as an annual or biennial.

Exhibition. This wonderful Giant Pansy we offer as our leader. The colorings of this pansy are mixed, there being no end to the numerous shades which nature has endowed upon this gigantic marvel, every petal being a veritable display of shades and coloring in itself. Pkt., 25c; 1/8 oz., \$1.25.

Steele's Miracle Mixed. A vigorous Oregon grown type, particularly desirable for cutting as the plants are taller and have longer stems. A fine blend for bright effects. They offer a super mixture containing all the finest types, including ruffled flowers and many of our new sun-burst pansies. Pkt., 35c; 1/8 oz., \$1.35.

Masterpiece. This grand Giant Pansy is remarkable in having the borders of the petals waved or frilled which gives the flower an almost double appearance. Pkt., 15c; 1/8 oz., 75c.

St. L. S. Co.'s "Nonpariel" Mixture. The flowers are of a large size and the plants grow more compactly bushy than other mixtures. Pkt., 20c; 1/8 oz., 85c.

Imperial Giant Mixed. They embrace all the solid or self-colors delicately shaded, of various colors, dark and light marbled varieties, flowers with clear, distinct eyes. Pkt., 15c; 1/8 oz., 65c.

Fine Mixed. The flowers of this splendid mixture are of good size, very fine form and range of colors in the lighter shades. Pkt., 5c; 1/2 oz., 35c.

TUFTED PANSIES, OR VIOLA CORNUTA

While the flowers of the Tufted Pansies or Violas are not so large as the regular type, yet they bloom so freely that they are superior to pansies where effect is wanted, the colors being particularly clear and distinct; they also bloom for a longer time. Seed sown in April produce flowering plants by June, and from then on until frost they are a sheet of bloom; 8 inches.

Few plants are of more general usefulness in the garden than the Viola Cornuta, and the good qualities possessed by these plants. The great secret of their continuous bloom, though, is the fact that they must be sheared several times during the season, so that the flowers do not go to seed.

1/8 Oz.	Pkt.	1/8 Oz.	Pkt.
Light Blue.	\$0.35 \$0.10	White	....\$0.35 \$0.10
Dark Blue.	.35 .10	Mixed	.... .35 .10
Yellow	.... .35 .10		

Jersey Gem. The flowers, which have the appearance of large single violets, are produced on six-inch stems and in color are a pleasing shade of violet blue. It is one of the most persistent blooming plants in cultivation. If not permitted to go to seed it will produce quantities of flowers from May to frost. Thrives as well in partial shade as in a sunny location. Pkt., 25c.

EARLY FLOWERING

Sweet Scented Mixed. This new race of Pansies promises to be an important introduction on account of the extreme hardiness of the plants and in consequence their earliness in flowering. With slight protection, such as meadow hay, leaves or similar material, full-grown plants winter over in the open ground. Pkt., 10c; 1/4 oz., 40c.

GIANT TRIMARDEAU PANSIES

We have discarded the ordinary Pansies in separate colors in favor of this type, which produces very large flowers, plants of strong robust growth, and well adapted to the trying conditions of our climate.

Separate Colors

	1/4 Oz.	Pkt.
Giant Snowflake—White	.....\$0.40	\$0.10
Giant Faust—Black	..... .40	.10
Giant Lord Beaconfield—Blue and white	..... .40	.10
Giant Fire King—Golden yellow	..... .40	.10
Giant Emperor William—Azure blue..	.40	.10
Giant Gold Elsie—Pure yellow	..... .40	.10

Trimardeau Giant Mixed. Extra large flowers, but not of such perfect form as the Imperial Giant. Most of the flowers have three large blotches or spots. Pkt., 10c; 1/4 oz., 40c.
Pansy Plants ready April 1st. Price 12 plants, \$1.00 (By Express Only).



Steele's Mastodon Miracle Pansy

ST. LOUIS SEED CO.'S SELECTED PETUNIAS



Petunias are unsurpassed for massing in beds. They are also used along walks and driveways and are often grown in window boxes. Their richness of color, duration of bloom and culture will always make them popular. They endure drought exceptionally well. The seed we offer is the result of careful hybridization and can be depended upon to give results.

Plant the seed, which is exceedingly fine, in a warm, open, sunny place. Seeds may be sown directly in the open ground or for early results the plants may be started in cold frame, hot bed or in pots indoors, in a temperature averaging sixty to seventy degrees. Water with a fine spray and do not permit the seedlings to dry out. We recommend to cover the seed bed with a wet burlap. This must be removed when seed start to grow. The plants are tender and should not be trusted in the open until danger of frost is over. Any good, friable garden soil, well pulverized and in good condition may be used, and the seed covered with about one-eighth to one-fourth inch of fine soil firmly pressed down. The rows should be two feet apart. Thin to eighteen inches apart. The plants begin to bloom when small and continue until cut off by frost.

PETUNIAS DWARF OR BEDDING

These plants only grow about twelve inches high and while branching freely from the base they nevertheless remain quite compact.

Setting Sun Dwarf Fringed Brilliant Rose. This is the result of a cross between *Petunia grandiflora fimbriata* brilliant rose and a dwarf variety. It comes true from seed, and forms compact bushes 12 inches high, covered with beautifully fringed blossoms of a brilliant rose pink measuring 3 inches across. Like all Erfurt Dwarf Petunias this one is admirably suited for borders and pots. Pkt., 25c.

Dwarf Giants of California. Extra large flowers, which are elegantly fringed; the colorings, markings, veinings, blotches, etc., are superb; many of them have deep throats of various shades. Will prove of immense value for the laying out of flower beds and borders. Pkt., 35c.

Dwarf Fringed Rose. A beautiful fringed rose-colored dwarf bedding variety. Excellent for borders. Pkt., 10c; $\frac{1}{8}$ oz., 35c.

Crimson. A beautiful deep red. Of compact growth. Pkt., 10c; $\frac{1}{8}$ oz., 35c.

Rosy Morn. Compact in habit of plant but producing throughout the summer an abundance of clear rosy pink flowers with white throat. An excellent sort for borders, edgings or porch boxes. Pkt., 10c; $\frac{1}{8}$ oz., 35c.

Rose of Heaven. Color rich brilliant rose, darker than Rosy Morn; a compact grower, very free blooming. Pkt., 10c; $\frac{1}{8}$ oz., 35c.

Violet. A fine companion to Rosy Morn, same habit and freedom of bloom. Color steel blue. Pkt., 10c; $\frac{1}{8}$ oz., 35c.

Snowball. A fine compact sort, producing its pure satiny white flowers throughout the entire season. Pkt., 10c; $\frac{1}{8}$ oz., 35c.

Striped and Blotched. Includes striped or blotched flowers in a wide range of brilliant colors. A fine bedder. Pkt., 10c; $\frac{1}{4}$ oz., 50c.

Dwarf Mixed. Plants compact growing. A choice mixture of many shades and colors. Very desirable for small beds. Pkt., 10c; $\frac{1}{4}$ oz., 40c.



Portland Fringed Petunias

GIANT PORTLAND PETUNIAS

For planting of veranda boxes and for choice potted plants or for bedding out these Petunias in select colors, never fail to please.

Theodosia. This is a very fascinating fringed Petunia. In comparison with Pink Triumph is a softer rose or pink, slightly larger with a more open throat and beautifully veined. It is a very robust plant and free flowering. The shade is very attractive. Pkt., 15c.

Pink Triumph. We consider Pink Triumph one of the best bright pink fringed Petunias on the market. It is robust in its growth, easy to grow from seed and comes quite true to type and color. Pkt., 15c.

Elk's Pride. Large size; deep royal purple. Pkt., 15c.

Pride of Portland. Large deep rose pink fringed flowers. Pkt., 15c.

Romany Lass. Flowers fringed; color, shading from cherry red to deep maroon. Pkt., 15c.

White Beauty. Giant flowering white. Pkt., 15c.
Mixed Colors, Pkt., 15c.

HALF DWARF PETUNIAS

All of the following are wonderfully effective in beds and borders. 18 inches high.

Howard's Star. A beautiful free-flowering strain, color crimson, maroon with a clearly defined five-pointed star of bluish white. Pkt., 10c; 1/8 oz., 35c.

Extra Choice Mixed. A very choice strain, made up from named large-flowering sorts. A very fine bedding variety. Pkt., 10c; 1/4 oz., 50c.

Fine Mixed. Good bright colors. Pkt., 5c; 1/2 oz., 40c.

DOUBLE PETUNIAS

We take great pride in offering our double Petunias. They have never been surpassed in beauty, size, form or color, if ever equaled. Selection in crossing every flower was made with the greatest care and thought, and the results are a surprise even to ourselves.

Double Flowering, Fringed Mixed. It is well-known that seed saved from the most carefully hybridized flowers produce but a small percentage of double flowers, the balance being single of unusually fine quality. Pkt., 35c.

Double Rosy Morn. This beautiful small flowered double pink Petunia has come into the greatest favor. However, since seed produces only a nominal number of double flowers, it is well to sow early and take cuttings from the true double. Pkt., 25c.

PETUNIAS**Giant Fringed and Ruffled**

Giants of California. The richest colors, the largest flowers and the finest markings of all Petunias. Flowers of gigantic size, many of them measuring 5 inches in diameter and of an astonishing variety of colors. Pkt., 15c.

Ruffled Giants. Flowers of extraordinary size and substance, and distinguished from the large flowering fringed section by the deep fluting, giving the appearance as if artificially ruffled. Pkt., 25c.

BALCONY PETUNIAS

For parkway planting or solid beds in the garden these small flowered Petunias will give an unbroken display of color throughout the entire season. The flowers are small in size, but lavishly borne. This strain is also of great value for window box work, as the plants are not so compact in habit as those of the preceding class.

Star of California. A magnificent new variety, especially bred for window boxes and hanging baskets; color, velvety violet, with a touch of crimson, starred with five pure white blotches. Pkt., 15c.

	Pkt.		Pkt.
Balcony Blue	...\$0.15	Balcony Crimson	\$0.15
" Rose	... .15	" Mixed	... .15



Setting Sun (See Page 67)

PHLOX DRUMMONDI (Annual)

It occupies a first place as a garden annual, being one of the most brilliant and at the same time one of the easiest and most satisfactory plants. Unequalled in the magnificent display of their many and brilliantly colored flowers. The plants are hardy bush-like annuals with many broad, flat-topped clusters of nearly round and star-shaped flowers. They are of easiest culture and bloom profusely through a long season.

Seed is usually sown very early in spring outdoors in rows one foot apart. A sunny situation is desirable. Well pulverized soil, preferably rich and mellow, should be used and the seed, which germinates rather slowly, covered with about one-fourth inch of fine soil firmly pressed down. Thin to four inches apart. For very early blooming, seed may be sown outdoors in fall, or started indoors and transplanted early in April. Hardy annual; one foot high.

	1/4 Oz.	Pkt.
Large Flowering—White	\$0.35	\$0.10
" " Scarlet .....	.35	.10
" " Shell Pink .....	.35	.10
" " Deep Rose .....	.35	.10
" " Dark Purple .....	.35	.10
" " Fiery Red .....	.35	.10
" " Violet .....	.35	.10
" " Mixed .....	.35	.10

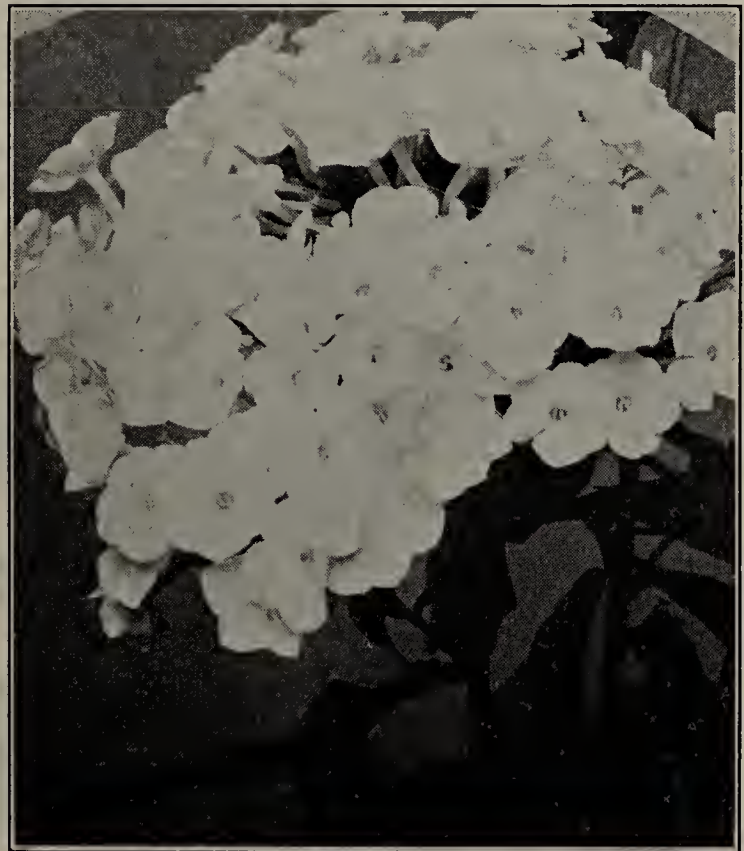
Starred and Fringed Mixed. Very odd and pretty effect. Pkt., 10c; 1/4 oz., 35c.

Fine Mixed. Bright, showy flowers. Good for cutting; 1 foot. Pkt., 5c; 1/2 oz., 40c.

PHLOX (Dwarf)

These are much superior to the other Phloxes for ribbon bedding or borders. The plants grow very symmetrical in neat, little bushes, covered with flowers during the whole summer and fall. 6 inches.

	1/8 Oz.	Pkt.
Fireball—A fine scarlet	\$0.30	\$0.10
Pink .....	.30	.10
Snowball—Pure White .....	.30	.10
Dwarf Mixed—All colors .....	.30	.10



Phlox



Physalis (Chinese Lantern Plant)

PHLOX (Hardy)

Decussata. 2 to 3 ft. June-October. Perennial varieties mixed from a celebrated collection. Seed slow and erratic in germinating and the seedlings may not appear for a year. Pkt., 15c; 1/8 oz., 35c.

PHYSALIS (Perennial)

Franchetti (Chinese Lantern Plant). 1 1/2 feet. Flowers yellow with dark center. Produces balloon-like husks the second year from seed, which turn bright red when ripe and resemble Chinese lanterns. August and September. Pkt., 10c; 1/4 oz., 30c.

PHYSOSTEGIA (Dragon Head) (Perennial)

Extremely beautiful with spikes of pink flowers, which are tube-shaped similar to a tiny antirrhinum blossom. The buds and flowers grow on the stem as if growing four sides of a square; very attractive foliage surrounding the graceful spikes.

Virginica. Dense bushes with spikes of delicate pink tubular flowers. 3 feet. June-September. Pkt., 15c; 1/8 oz., 50c.

PLATYCODON (Wahlenbergia) (Perennial)

Hardy perennials, bearing large, broad, bell-shaped blue flowers; very handsome for garden decoration.

Grandiflorum. Blue. 2 ft. Pkt., 10c; 1/4 oz., 40c.

POLEMONIUM (Jacob's Ladder) (Perennial)

Coeruleum. Popular hardy perennial border plant, with bell-shaped bluish-purple flowers nearly 1 inch across; 2 1/2 feet. May to July. Pkt., 10c; 1/4 oz., 30c.

PORTULACA (Annual)

Sometimes called Moss Rose. Few flowers make such a dazzling display of color in the bright sunshine as a bed of portulacas. The glossy cup-shaped single flowers and rose-like double flowers, about one inch across, range through many shades of red, white, pink, orange, yellow, striped, etc. Plants low growing or creeping with thick, fleshy stems tinged with red and small quill-shaped leaves. Desirable also for edgings. They are in bloom through a long season. 6 inches.

Sow seed outdoors, after weather is warm and settled, where the plants are to stand in rows one foot apart.

Large Flowering Single Mixed. Pkt., 5c; 1/2 oz., 25c.

Double Fine Mixed. All colors mixed. Pkt., 10c; 1/4 oz., 50c.

POPPIES (Annual)

These well-known hardy annuals and perennials flower in great profusion throughout the summer. Both the single and double varieties are very desirable for bedding and borders. The flowers are remarkable for their large size, delicacy of tissue and wide range of bright dazzling colors.

As early in spring as ground can be worked sow the seed, which is quite small, where the flowers are to bloom, as the annual varieties do not bear transplanting. Pulverized soil, preferably light sandy loam, should be used. Make rows fifteen inches apart and cover seed one-fourth inch deep. When two inches high, thin from six inches to one foot. To insure continuous bloom during a long season the flowers should be cut regularly and no seed pods allowed to form.

American Legion. This single poppy of the Shirley type is a dazzling orange-scarlet of immense size, borne on long, stout stems. 2 feet. Pkt., 10c; $\frac{1}{2}$ oz., 25c.

Shirley-Mixed. This magnificent species sports to numberless shades of color, from pure white to rose pink, carmine and deepest crimson. 20 inches. Pkt., 5c; oz., 25c.

Tulip Flowered Scarlet. Large, bright scarlet flowers. The two outer petals of the flower form a tulip cup. Strikingly beautiful. About $1\frac{1}{2}$ feet. Pkt., 10c; $\frac{1}{2}$ oz., 35c.

DOUBLE ANNUAL POPPIES

Double Shirley-Mixed. Beautiful hybrids with large double and semi-double flowers in a wonderful range of colors. Pkt., 10c; oz., 35c.

Double Cardinal. Round as a ball, red as fire. The flowers are of very large size and finely fringed. In color it is a glowing cardinal scarlet. Height, 2 feet. Pkt., 10c; $\frac{1}{2}$ oz., 25c.

Double Carnation Flowered. Large, showy flowers. 2 feet. Mixed. Pkt., 5c; oz., 25c.

ORIENTAL POPPIES (Perennial)

Oriental Poppies should be sown in early spring in the open ground as soon as it is fit to work. The plants disappear during July and August, appearing again as soon as the weather gets cool. When this fall growth starts is the time they should be transplanted to their permanent flowering quarters. It is well to mark the places they are planted with a stake to insure the roots against disturbing during their annual resting period.

Dark Red. Extra large flowers. Pkt., 10c; $\frac{1}{8}$ oz., 40c.

Orange Scarlet. A charming summer-flowering hardy plant, producing numerous leafy stems about 3 feet high, with large orange scarlet flowers; having a conspicuous black blotch on each petal, exceedingly showy. Pkt., 10c; $\frac{1}{8}$ oz., 40c.

Salmon Pink. Large flower; beautiful Salmony pink. Pkt., 10c; $\frac{1}{8}$ oz., 40c.

Oriental Hybrids. Mixed. Saved from a large number of named sorts, embracing all of the colors. $2\frac{1}{2}$ to 3 feet. Pkt., 10c; $\frac{1}{8}$ oz., 30c.

ICELAND POPPIES (Perennial)

Iceland Mixed. While these are hardy perennials, they flower the first year from spring sown seed. They are of graceful habit, with fern-like foliage; the satin-like flowers are borne in endless profusion and are excellent for cutting. 1 foot. Pkt., 10c; $\frac{1}{4}$ oz., 35c.

El Monte. This new variety is a California introduction; very large flowers and comes true from seed; strong wiry stems for cutting. Deep tangerine. Pkt., 15c; $\frac{1}{8}$ oz., 40c.



Tulip Poppy

POTENTILLA (Flowering Strawberry) (Perennial)

A beautiful border plant, flowers from yellow to bright red. Leaves resemble strawberry plants. An unexcelled plant for border neutralizing and rock work. Hardy; 20 inches. Double mixed. Pkt., 10c.

PRIMULA (Primrose) (Pot Plant)

Obconica Gigantea. Mixed. If sown early in the Spring the seedlings will commence to bloom in May or June. Pkt., 15c.

Malacoides. A fine house-plant; delicate lilac. Pkt., 15c.

Chinensis (Chinese Primrose). Our mixture includes all the choicest colors of the single flowering Primulas in all their dainty shadings. Pkt., 25c.

PRIMROSE (Perennial)

Spring-blooming plants. With a slight protection they will stand the winter, but will do better if protected by a cold frame.

Auricula. The fragrant flowers of many rich colors are borne in clusters on the top of stalks. Pkt., 15c.

Polyanthus Veris. Cowslip. Fine for either pot or outdoor culture; hardy perennials; 12 inches. Pkt., 10c.

Vulgaris. True Yellow; 6 inches. Pkt., 15c; $\frac{1}{8}$ oz., 65c.

PYRETHRUM (Feverfew) (Perennial)

Roseum Grandiflorum Single Mixed. Flowers of enormous size, ranging from light pink to deep carmine; hardy. May. $2\frac{1}{2}$ feet. Pkt., 10c; $\frac{1}{4}$ oz., 40c.

Hybridum Double Mixed. Seed saved from the finest double flowers; only a small percentage can be expected to come double the first year; 2 feet. Pkt., 15c; $\frac{1}{8}$ oz., 50c.

Aureum (Golden Feather). Yellow foliage. Hardy annual. 1 foot. Pkt., 10c; $\frac{1}{2}$ oz., 30c.

RHODANTHE (Everlasting) (Annual)

Mixed. Fine for outdoor border, or for greenhouse flowering during the Winter. 1 foot. Pkt., 10c; ½ oz., 25c.

RICINUS (Castor Oil Bean) (Annual)

Zanzibariensis. Surpasses all in size and beauty of colors, which include glaucous-green, coppery brown, metallic red; 8 to 10 ft. Pkt., 5c; oz., 15c; ¼ lb., 50c.

Borboniensis Arboreus. The tallest of the Ricinus family, 10 to 15 ft. Pkt., 5c; oz., 15c; ¼ lb., 50c.

Red Spire. An effective variety, with bronzy green foliage and rosy crimson seed spikes, 6 ft. Pkt., 10c; oz., 25c.

Gibsoni. Purplish leaves, 5 ft. Pkt., 5c; oz., 15c; ¼ lb., 50c.

Mixed Sorts. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25.

ROSEMARY (Rosmarinus)

Officinalis. An old favorite aromatic herb, delightfully fragrant, flowers light blue, grows about 2 ft. high, should be planted in a warm, dry situation, and given a little protection. Pkt., 10c.

RUDBECKIA (Cone Flower) (Perennial)

Newmanii. An effective, hardy, perennial sort, producing in masses during August and September brilliant orange-yellow flowers; 2 feet. Pkt., 10c; ¼ oz., 50c.

Purpurea (Giant Purple Cone-flower). Hardy perennial; large and showy, reddish purple flowers with dark brown disc; 3 feet. July and August. Pkt., 10c; ¼ oz., 50c.

Golden Glow. Extra Double. An effective yellow perennial flower during August and September, 6 feet. Pkt., 10c.

SALPIGLOSSIS (Painted Tongue) (Annual)

As pot plants they are elegant and for cut flowers for vase and bouquets they are unsurpassed. 2½ feet.

Large Flowering (Painted Tongue). Yellow, rose, scarlet, light blue, purplish violet and striped are found in this mixture. Pkt., 10c; ¼ oz., 35c.



Salvia



Ricinus

SANVITALIA (Annual)

Procumbens Fl. Pl. An annual of dwarf compact growth; useful in masses in beds, or edges of borders, or in vases, baskets, etc. Showy bright yellow, double flowers; in bloom all summer. 6 inches. Pkt., 10c; ¼ oz., 40c.

SAPONARIA (Bouncing Bet) (Perennial)

Rose. Splendid hardy perennial rock plant; bright rose colored flowers; 12 inches. Pkt. 10c; ½ oz., 35c.

SALVIA (Scarlet Sage)

Perennial but grown as Annual

The Salvia is among our most popular and useful bedding plants. There is nothing more effective in the midsummer or fall than these bright scarlet flowers. Seeds should be started either in the house or in hotbeds from February till April. Seed may also be sown in the open ground in May, about 3 feet high.

Early Souvenir. A very early variety and therefore most suitable for sowing out in the garden. Plants grow about 2 feet high, nearly compact, very large, long flower spike of rich brilliant red color. In its full flower it is beautiful. Pkt., 25c; ⅛ oz., 75c.

America (Globe of Fire). It being of a dwarf bushy habit, filling a want where other varieties attain too great a height. Plants grow about 16 inches high. Pkt., 15c; ⅛ oz., 40c.

Bonfire. Its erect spikes of brilliant scarlet flowers stand clear above the dark green foliage and completely cover the plant. It attracts immediate attention in the garden. 16 inches. Pkt., 10c; ⅛ oz., 35c.

Fireball. The most compact type of Salvia yet introduced. Splendid for beds or borders, of somewhat dwarf habit. 14 inches. Pkt., 15c; ⅛ oz., 40c.

Splenden's Grandiflora Scarlet. A rich-flowered border. 2½ to 3 ft. Pkt., 10c; ¼ oz., 50c.

Zurich. Plants are of dwarf, bushy growth and produce an abundance of bright scarlet flowers from early July until frost. 12 inches. Pkt., 15c; ⅛ oz., 40c.

Farinacea. A perennial variety, but best treated as an annual, blooming from July to frost from Spring sown seed; color, light blue; 3 to 3½ feet. Pkt., 10c; ¼ oz., 35c.



Statice Sinuata

SCABIOSA (Mourning Bride) (Annual)

They grow about 3 feet high, and come into bloom early in July, and continue without interruption until hard frost.

	Pkt.		Pkt.
Crimson	\$0.10	Lavender	\$0.10
Black-Purple .....	.10	Shasta White ....	.10
Rose .....	.10	Peach Blossom ..	.10

Mixed. Pkt., 10c; 1/2 oz., 40c.

Scabiosa Giant Loveliness. Loveliness is a glorious new color in annual Scabiosa. The blossoms range through varying tones of soft delicate Salmon Rose. Scabiosa Loveliness is unsurpassed as a cut flower. Pkt., 10c; 1/2 oz., 40c.

HARDY PERENNIAL SCABIOSA

Handsome perennial border plants flowering the entire season.

Isaac House Strain Caucasica. A splendid improvement in the Caucasica type; flowers larger and with longer stems; colors range from light lavender to dark blue; excellent for cutting. June. Pkt., 15c.

Caucasica (Blue Bonnet). One of the most handsome of hardy perennials, especially valuable for cutting; lilac-blue; 3 feet. Pkt., 10c; 1/8 oz., 35c.

Columbaria. A low growing variety, with flowers measuring 2 to 2 1/2 inches across; splendid for cutting. Lavender, Pkt., 15c; Pink, Pkt., 15c.

SEDUM (Stonecrop) (Perennial)

Charming plants for sunny positions in the rockery, etc., and the taller kinds make effective color groups in the border. They thrive in almost any soil. They are especially fond of sand and full sun, and may be considered the backbone of the American rock garden.

Spectabile. 18 in. One of the prettiest erect-growing species, with broad, light green foliage and immense heads of handsome showy rose-colored flowers. Autumn. Pkt., 25c.

Coeruleum. A pretty creeping annual with dainty racemes of charming pale blue flowers. A splendid subject for the rockery. 3 in. Pkt., 25c.

Sedum Perennial Mixed. Useful and pretty plants for the border, producing their interesting flowers during late summer and fall. Pkt., 25c.

SCHIZANTHUS (Annual)

Large-Flowered Mixed. As pretty as miniature Orchids. Forming compact pyramidal plants about 16 inches high, literally covered with large, beautiful orchid-like flowers. Pkt., 10c; 1/2 oz., 35c.

SENSITIVE PLANT (Mimosa Pudica) (Annual)

A curious and interesting plant with pinkish white flowers; the leaves close when touched or shaken. 1 1/2 feet. The favorite variety. Pkt., 10c; 1/2 oz., 25c.

SHAMROCK (Pot Plant)

True Irish. Small leaved. Pkt., 10c; 1/4 oz., 30c.

SHASTA DAISY (See Page 55)**SILENE (Catchfly) (Annual)**

Very pretty dwarf plants, used mostly for borders; thriving in almost any common soil and easy of cultivation. 12 inches. Pkt., 10c; 1/2 oz., 25c.

SMILAX (Greenhouse Climber)

In many respects the smilax is the most useful and it is certainly one of the most graceful climbers. Pkt., 10c; 1/2 oz., 25c.

SOLANUM (Jerusalem Cherry) (Pot Plant)

Cleveland Red. A greatly improved form of this very useful pot plant for winter decoration. It is of dwarf, branching habit; leaves small and oval shaped, bearing in the greatest profusion bright scarlet globular berries. Very ornamental; 1 foot. Pkt., 15c; 1/8 oz., 35c.

STATICE (Annual)

Extremely showy, with large clusters of blooms carried on graceful stems. The plants are easy to grow from seed and do well in almost any kind of soil. The flowers may be cut and treated like Everlastings, drying them in a cool and shady place.

		1/2 Oz.	Pkt.
Statice	Lavender	\$0.25	\$0.10
"	Rose .....	.25	.10
"	True Blue, extra deep .....	.25	.10
"	White .....	.25	.10



Scabiosa

STATICE (Annual)
Bonduelli. The plants grow 18 to 20 inches tall and bloom profusely from July to October. The small flowers are borne in attractive clusters. They are rich lemon-yellow in color, suited for a dry sunny location. Pkt., 10c; ¼ oz., 35c.
Suworowi. (Russian Cat-tail Statice). Forms a cluster of leaves on the ground and bearing tail-like spikes of rose-colored flowers. Pkt., 10c; ¼ oz., 35c.

STATICE (Hardy Perennial)
Splendid hardy perennials, either for the border or rockery, producing all summer panicles of minute flowers, which can be dried and used for winter bouquets.
Latifolia. Purplish-blue flowers; 1½ feet. Pkt., 10c; ¼ oz., 50c.

Dumosa. The finest Statice for drying. Of great value to the florist, in fact the most valuable of all Statice, which, when dried, is being imported from Germany and here used in immense quantities in wreaths and other floral work. Dumosa's individual florets are much brighter in color, clear silvery white when dry and lavender when fresh. Pkt., 15c.

Perezii. Rich bright blue. Pkt., 15c.



Statice Dumosa



Stocks Cut-and-Come-Again

STEVIA (Annual)
Serrata. Free blooming plants for Summer or Winter; bearing a profusion of fragrant white flowers; excellent for cutting; 1½ feet. Pkt., 10c; ¼ oz., 40c.

STOCKS (Annual)		
CUT-AND-COME-AGAIN		
Splendid perpetual-blooming class; sown in March or April they begin flowering in July, continuing until frost. 2 to 2½ feet.		
	Pkt.	1/8 Oz.
Princess Alice. White	\$0.15	\$0.40
LaFrance. Pale Blush .....	.15	.40
Brilliant. Blood-red .....	.15	.40
Rose .....	.15	.40
Sapphire. Dark Blue .....	.15	.40
Creole. Creamy yellow .....	.15	.40
May Queen. Delicate lilac .....	.15	.40
Finest Mixed. All colors .....	.15	.40

GIANT BISMARCK TEN WEEK STOCKS		
Growing from 24 to 30 inches tall, of branching habit, producing innumerable large spikes measuring 12 to 16 inches long, coming into bloom in 10 to 12 weeks.		
Antique Copper (new), rich Hellebore		
	Pkt.	1/8 Oz.
red	\$0.20	\$0.50
Golden Ball. Canary yellow .....	.20	.50
Chamois. Ivory, tinted old rose ....	.20	.50
Blood Red. Fine .....	.20	.50
Lavender. (Mauve Lavender) .....	.20	.50
Royal Purple .....	.20	.50
Rose. Deep rose pink .....	.20	.50
White .....	.20	.50
Mixed .....	.20	.50

10 WEEK STOCKS DWARF GERMAN			
12 to 15 inches high.			
	Pkt.		Pkt.
Blood-red	\$0.10	Lavender	\$0.10
Bright Rose .....	.10	White .....	.10
Peach Blossom ..	.10	Mixed .....	.10



Dr. Wilson's New Hybrid Sunflower

a glorious show of yellow blooms. 4 to 5 feet. August and September. Pkt., 15c.

STOKESIA (Hardy)

Highly valuable for cutting, supplying a shade of coloring not overly plentiful at any season of the year. Cyanea (Blue). The earliest and best sort. 16 inches. July and August. Pkt., 15c; ¼ oz., 50c.

SUNFLOWER (Helianthus) (Annual)

Far superior to common Sunflowers. The large, rich golden yellow flowers are produced on each branch. Makes a beautiful hedge.

Golden Ball. A beautiful large double variety. 7 ft. Pkt., 5c; oz., 35c.

Dwarf Double. Similar to the above variety only of a dwarf nature. 3 feet. Pkt., 5c; oz., 35c.

Double Chrysanthemum-Flowered. A wonderful Sunflower with fully double golden yellow blooms like a giant Chrysanthemum 6 to 8 inches in diameter. The plants grow nearly 7 feet tall. Pkt., 10c; oz., 35c.

SINGLE FLOWERING SORTS

The single Sunflowers are indispensable for cutting. Sown on a sunny spot in April or May, they come into bloom early in summer.

Dr. Wilson's New Hybrids. A fine red and brown Sunflower for garden planting, grows about 4 to 5 ft. tall. Pkt., 15c.

Dwarf Red. This Sunflower we believe to be a novelty of real merit, color red to brown red. 5 feet. Pkt., 10c; ½ oz., 25c.

Stella (Improved Miniature Sunflower). Differs from the above by its large and better formed flowers of the purest golden yellow, with black disc. 5 ft. Pkt., 10c; ½ oz., 25c.

Perennial Mixed. Perennial Sunflowers add a most distinctive touch to any garden. During the fall they provide

SPENCER SWEET PEAS

This class is particularly thrifty and vigorous. The vines are quite branching, stooling from the base and carry an abundance of handsome foliage. The flowers are consistently of large size, with upright standards delicately waved or frilled and graceful wings. Normally the blossoms are nicely placed on long stiff stems in groups of three or more. Wherever the climate assures rather cool nights and days this type will flourish to perfection.

Early or Winter Flowering Spencers

While these are especially adapted for forcing under glass for winter and early spring blooming, they are also valuable for outdoor culture, coming into bloom five or six weeks earlier than the regular Spencer or Orchid flowered type, and if the flowers are kept cut, they will continue to bloom for a long time.

	Pkt.	Oz.
Orange King. True glowing orange ..	\$0.15	\$0.50
Columbia. Color, pink and white ...	.15	.50
Eldorado. A pure orange salmon; early everblooming .....	.15	.50
Harmony. An exceptionally choice clear lavender .....	.15	.50
Snowstorm. This is by far the finest of all white varieties .....	.15	.50
Sweet Lavender. Pure lavender .....	.15	.50
Vulcan. The color is the most vivid scarlet ever seen in sweet peas ...	.15	.50
Yarrowa. Flowers exquisitely waved. Color a pleasing shade of bright rose pink .....	.15	.50
Zvolanek's Blue. Of the blue jay color, considered one of the very best blues .....	.15	.50
Zvolanek Rose. Beautiful self rose color. Holds its color to the last and is a free bloomer .....	.15	.50
Mixed. All colors, named varieties ...	.10	.25

SPENCER SWEET PEAS

	Pkt.	Oz.
Austin Frederick. Pure lavender. A dependable variety bearing large flowers	\$0.10	\$0.20
Charity. Pure crimson. This brilliant sort does not burn in the sun .....	.10	.20
Constance Hinton. Blush before expanded; pure white when open. ...	.10	.20
Countess Spencer. Bright shade of pink .....	.10	.20
Defiance. A brilliant orange scarlet...	.10	.20
Elfrida Pearson. Giant shell pink ....	.10	.20
Margaret Atlee. Rosy salmon buff ...	.10	.20
Mrs. Cuthbertson Spencer. Rose-pink wings white .....	.10	.20
Mrs. Tom Jones. Deep amethyst blue. The finest deep blue variety .....	.10	.20
Royal Purple Spencer. A rich purple	.10	.20

ST. L. S. CO.'S SPENCER MIXTURE

A mixture that cannot be surpassed. Blended by ourselves from only the Giant Waved Spencer varieties in proper proportions of bright colors. Pkt., 10c; oz., 15c; ¼ lb., 50c; lb., \$1.75.

PEAS PERENNIAL

(Lathyrus latifolius). An easily grown, hardy perennial climber with smaller flowers.

	½ Oz.	Pkt.	½ Oz.	Pkt.
Pink	\$0.30	\$0.10	White	\$0.40 \$0.10
Red .....	.30	.10	Mixed .....	.25 .10

ST. L. S. CO.'S "NOVELTY" COLLECTION

Ten big packets of the famous Spencer Varieties

If you care at all for these pretty flowers, do not fail to save a place in your garden for our "Novelty" collections of Spencers. The cultural directions with each collection give full explanation how to grow these flowers to perfection. 10 Pkts., 50c postpaid.

STRAWFLOWER (Annual)

We offer a special mixture of Strawflower. Not only decorative in the garden but when dried retain their color and make an effective Winter bouquet. Pkt., 10c; 1/2 oz., 25c.

THALICTRUM (Meadow Rue) (Perennial)

Hybridum. Very graceful perennial plants with finely cut foliage; excellent for the hardy border. Columbine like foliage. 3 feet. June and July. Mixed. Pkt., 15c; 1/4 oz., 50c.

THUNBERGIA (Tender Perennial)

Mixed (Blackeyed Susan). Handsome foliage and flowers. Used for a screen or basket. Pkt., 10c; 1/2 oz., 50c.

TORENIA (Annual)

Fournieri. Bushy globular plants literally covered with the lovely richly colored, snapdragons-like flower of a delightful sky-blue. They are excellent for beds, pots or hanging baskets. 1 foot. Pkt., 15c.

TRITOMA (Red Hot Poker) (Perennial)

Hybrida Mixed. A free blooming hardy perennial; large spikes of flowers. An improved variety of the plant sometimes called Red Hot Poker. The handsome flowers are produced in large spikes of rich orange-red tinted flower tubes. Plant two feet apart. Tritomas are hardy when well covered in winter. In the north, dig up the plants in November, place in boxes with dry earth and store in a cellar. In spring place in a warm, sheltered, well drained spot, preferably with a background of shrubbery. Pkt., 15c; 1/4 oz., 40c.

SWEET WILLIAM (Dianthus-Barbatus) (Perennial)

A well known, extensively used, sweet scented perennial for bedding and borders, forming fine clumps in any good garden soil and under proper conditions lasting for several seasons. They produce a succession of flower clusters, thus affording splendid bloom for several weeks. The florets are handsomely colored and marked and are borne on stiff stems in great profusion, forming dense round topped heads or clusters, often three to four inches across. The colors are exceedingly varied, ranging from white through many shades of rose, lilac, red, carmine, crimson and maroon to nearly black, usually two shades to each plant. 1 1/2 feet.

Pink Beauty. In color it is what florists call watermelon-pink or salmony-rose. Strikingly brilliant and beautiful; the flowers are borne in



Tritoma (Red-hot Poker Plant)

massive heads on stems 18 inches high. Pkt., 10c; 1/2 oz., 35c.

Newport Pink. Salmon pink. Pkt., 10c; 1/2 oz., 35c.

Scarlet Beauty. A very effective rich, deep scarlet variety. Pkt., 10c; 1/2 oz., 35c.

Holborn Glory. This strain is a large-flowered selection of the auricular-eyed section, the most beautiful. Pkt., 10c; 1/2 oz., 35c.

Maroon.....Pkt., 10c; 1/2 oz., 35c

Single WhitePkt., 10c; 1/2 oz., 35c

Single MixedPkt., 5c; 1/2 oz., 25c

Double Mixed. This mixture contains the finest colors. Impossible to find anything that can compare with it. Pkt., 10c; 1/2 oz., 40c.

Annual Mixed. The old favorite Sweet William, as all know, does not flower until the second year from seed, but this new type commences blooming in early Summer from Spring-sown seed. Pkt., 10c; 1/2 oz., 40c.

SWEET ROCKET (Hesperis) (Perennial)

An excellent perennial for naturalizing among shrubbery or for planting in a permanent border; fragrant white and purple flowers in mixture; 2 to 3 feet. Seed germinates readily in open ground if sown after danger from frost is past. Spring flowering. Fine Mixed. Pkt., 10c; 1/2 oz., 25c.

Texas Blue Bonnet. (See Lupinus, Page 62.)

TUNICA (Perennial)

Saxifraga. A splendid dwarf border plant with small delicate rose blooms. 10 inches. August. Pkt., 10c; 1/4 oz., 25c.

VALERIANA (Garden Heliotrope) (Perennial)

Rubra Mixed. Hardy perennial border plants; large fragrant flowers, odor resembling that of the heliotrope; 2 to 3 feet. Pkt., 10c; 1/4 oz., 30c.

VERONICA (Speedwell) (Perennial)

Spicata. An elegant hardy border plant, growing about 1 1/2 feet high, producing long spikes of bright blue flowers in June and July. Pkt., 15c; 1/8 oz., 50c.



Sweet William

VERBENA

Verbenas usually flower well in August from seed sown in open ground in May. Germination will be hastened if the seed is soaked in lukewarm water before planting. It is desirable to have the soil well fertilized and carefully pulverized. Cover seed about one-fourth inch deep. When the young plants have three or four leaves transplant in rows two feet apart and about twenty-four inches apart in the row, choosing preferably a sunny situation. At this distance the plants, if conditions are favorable, will spread so as to cover the ground completely. Suitable also for borders and window boxes.

Beauty of Oxford Hybrids (New) A beautiful giant hybrid raised from a cross between Verbena Luminosa and Beauty of Oxford. While following closely the color of Beauty of Oxford, it also inherits a touch of salmon pink from Luminosa, which gives a lovely softening effect. Pkt., 25c.

Salmon Pink. A splendid giant flowering, true salmon-pink with white eye; extra large florets; comes absolutely true from seed. Pkt., 10c; ¼ oz., 50c.

Dwarf Compact Fireball. Grows about 6 inches high and is literally covered with bright scarlet blooms; excellent for borders, beds or pot plants. Pkt., 25c; ⅛ oz., 50c.

VERBENA, Mammoth Grandiflora	¼ Oz.	Pkt.
Blue	\$0.50	\$0.10
Lucifer. Cardinal Red .....	.50	.10
Rosea Stellata. Rose, pink .....	.50	.10
Luminosa. Flame pink.....	.50	.10
Golden Queen .....	.50	.10
White .....	.50	.10
Purple Mantle .....	.50	.10
Mixed .....	.50	.10
Auricula Fld. Mixed .....	.40	.10

Great Floral Clock Mixture. This splendid new variety is very dwarf, compact growing Bush-Verbena, with large trusses of all fine colored flowers in shades previously unknown in this class. Pkt., 15c.

Fine Mixed. This extra choice mixture includes a wide range of very beautiful colors, shades and stripes usually running from pure white to deep purple. Pkt., 5c; ½ oz., 40c.

VERBENA VENOSA (Hardy)

Venosa 1 ft. Largely used for bedding purposes, strong, thrifty growers, covered with bright purple and heliotrope flowers. Pkt., 10c; ¼ oz., 30c.

VINCA—PERIWINKLE (Annual)

These are very bright annuals which should be included in every garden. They are most attractive with their dark green glossy leaves and their beautiful and large flowers. The plants grow about 12 inches tall.

	¼ Oz.	Pkt.
Rosea. Fine rose color	\$0.30	\$0.10
Rosea Alba. Rosy eye .....	.30	.10
Alba Pura. Pure White .....	.30	.10
Mixed, All Colors .....	.30	.10

VIOLETS (Sweet Scented) (Perennial)

Viola Odorato (Semperflorens). Is the well-known English Violet, a free-flowering, hardy perennial. May be grown from seed. Succeeds best in a partially shaded, moist place. 4 inches. Spring. Pkt., 10c; ⅛ oz., 40c.

VIOLA CORNUTA—See Tufted Pansies, Page 68.



Verbena

WALLFLOWER (Annual)

The plants grow to a height of 1½ to 2½ feet, form strong, long middle spikes thickly covered with large double blossoms.

Early Wonder Mixed. The seed we are offering this season has been produced from our own special stock seed, reselected for earliness. Will bloom in about 90 days from time of sowing. Pkt., 25c; ⅛ oz., 40c.

WALL FLOWER (Perennial)

A beautiful, hardy perennial of exquisite coloring producing long, showy spikes in abundance.

	Pkt.
Double Mixed	\$0.15
Single Mixed. 1 foot. ½ oz., 30c. ....	.10

WAHLENBERGIA (See Platycodon, page 71)

WOOLFLOWER—CHINESE

Plants grow two to three feet high, the bloom starting early with a central head, round and globular, which often reaches the immense size of two feet in circumference. Scores of branches are thrown out, each bearing a ball of wool, but not so large as the central one. Start seed, if convenient, under glass about four weeks before time to transplant to the garden.

Crimson. Pkt., 10c; ¼ oz., 40c.
Pink. Pkt., 10c; ¼ oz., 40c.
Mixed all colors. Pkt., 10c; ¼ oz., 40c.

WILD CUCUMBER

Rapid-growing annual climber. Has beautiful leaf and pretty fragrant white flowers. Pkt., 10c; oz., 25c.

WILD GARDEN FLOWER MIXTURE

Under this heading we offer a mixture of the easiest and surest growing kinds that can be sown broadcast, and with little or no care will produce a bright effect in places that would otherwise be nothing but a collection of unsightly weeds, and furnishing an abundance of flowers for cutting.

	Pkt.	Oz.	Lb.
Annual Mixed	\$0.10	\$0.25	\$2.50
Perennial Mixed .....	.10	50	6.75

ST. LOUIS SEED CO. SELECTED ZINNIAS
YOUTH AND OLD AGE

One of the most popular and most extensively used of all our hardy annuals. The following list comprises a very choice strain of large variety and of the most brilliant colors. Requires but little attention; will grow in any good garden soil.

DOUBLE DAHLIA-FLOWERED ZINNIA

This new giant flowered type has petals which overlap in such a manner as to give the flowers the appearance of a decorative Dahlia.

Buttercup. Deep yellow. Pkt., 15c; ¼ oz., 50c.
Crimson Monarch. Flowers often six inches in diameter. Plants very vigorous. Pkt. 15c; ¼ oz., 50c.

Dream. A fine, deep lavender, turning to purple, desirable shade in Zinnias. Pkt., 15c; ¼ oz., 50c.

Exquisite Rose. Truly DAHLIA flowered as regards form and size. Color light rose with center a deep rose. Pkt., 15c; ¼ oz., 50c.

Old Gold. Glowing, burnished deep and lighter shades of old gold. Pkt., 15c; ¼ oz., 50c.

Golden Dawn. A beautiful golden yellow of immense size. Pkt., 15c; ¼ oz., 50c.

Illumination. Similar to Exquisite but a striking self-color of deep rose. Pkt., 15c; ¼ oz., 50c.

Luminosa. A new shade of clear, bright pink. Pkt., 15c; ¼ oz., 50c.

Meteor. A rich, glowing deep red, and the darkest of all the red shades. Pkt., 15c; ¼ oz., 50c.

Oriole. It is an immense orange and gold bicolor changing slightly as it ages. Pkt., 15c; ¼ oz., 50c.

Polar Bear. A very large pure white, the best white yet seen in Zinnias. Pkt., 15c; ¼ oz., 50c.

Purple Prince. A fine, deep purple, large and well-formed. Pkt., 15c; ¼ oz., 50c.

Scarlet Flame. A large, beautiful, bright scarlet, with a delightful blending of orange. Pkt., 15c; ¼ oz., 50c.

Dahlia-Flowered, Mixed. Dahlia-flowering type, a fine mixture of the very best colors. Pkt., 15c; ½ oz., 75c.

DWARF DOUBLE

This we consider the best Zinnia for general use, forming bushy, compact plants not over 2 feet high. Mixed. Pkt., 5c; ½ oz., 25c.



Zinnia Double Lilliput, Fine for Cut Flowers

MAMMOTH DOUBLE ZINNIAS

The flowers are borne on long, stiff stalks, of a semi-globular form, are mostly very double and together with their immense size, produce a very marked effect.

	½ Oz.	Pkt.
Mammoth Double Purple	\$0.50	\$0.10
" Scarlet .....	.50	.10
" Red .....	.50	.10
" White .....	.50	.10
" Golden Yellow .....	.50	.10
" Rose .....	.50	.10
" Orange .....	.50	.10
" Salmon Pink .....	.50	.10
" Mixed, all Colors .....	.50	.10
1 Pkt. each of above 8 varieties, 50c.		

ZINNIA ELEGANS CUT AND COME AGAIN

A group with double, perfectly formed, medium sized flowers bred with long stems; exceptionally fine for cut flowers.

	Pkt.	¼ Oz.
Bright Scarlet	\$0.10	\$0.30
Crimson .....	.10	.30
Golden Yellow .....	.10	.30
Salmon Rose .....	.10	.30
White .....	.10	.30
Violet .....	.10	.30
All Colors Mixed .....	.10	.30

Pinkie. Medium sized flowers of a light Rose-Pink with long stems especially suitable for cut flowers and for massing in the garden. Height 2 feet. Pkt., 10c; ¼ oz., 75c.

DOUBLE LILLIPUT OR POMPON ZINNIAS

A very pretty type of compact habit not over 15 inches high, bearing in lavish profusion, small densely double flowers on long stems, held well above the foliage.

	½ Oz.	Pkt.
Scarlet Gem (Red Riding Hood)	\$0.50	\$0.10
Rosebud (new) rose pink .....	.50	.10
Canary Yellow .....	.50	.10
Golden Yellow .....	.50	.10
Salmon Rose .....	.50	.10
Purple .....	.50	.10
Crimson Gem .....	.50	.10
White .....	.50	.10
Finest Mixed .....	.50	.10

VARIOUS ZINNIAS

Picotee Salmon Rose. This is an extra select strain of light and deep salmon shades. A fine cut flower. Pkt., 15c; ¼ oz., 50c.

Picotee Delight. Finest Mixed. Of pleasing colors. Pkt., 15c; ¼ oz., 50c.

Zinnia Scabiosa Flowered. This novelty Zinnia is entirely different to all other classes. The plant reaches a height of about 40 inches and is of abundant flowering. Mixed. Pkt., 15c.

Zinnia Crown O'Gold Mixture. The aristocrat among Zinnias. Each petal of the flower is overlaid with a deep golden yellow at the base, mixed colors. Pkt., 15c; ½ oz., 35c.

CURLED AND CRESTED

The petals of this beautiful strain are twisted, curled and crested into the most fantastic and graceful forms. Mixed, Pkt., 10c; ½ oz., 40c.

EVER-BLOOMING FIELD-GROWN ROSES

OUR HARDY DORMANT ROSES ARE READY FOR DELIVERY FROM THE FIRST OF MARCH
UNTIL THE FIFTEENTH OF APRIL

Plants Travel Best By Express. No Plants Sent C. O. D.

Columbia. H. T. This beautiful Rose is of strong, vigorous habit. Color a most pleasing shade of rose-pink and delightfully fragrant. Each, 35c.

Dame Edith Helen. H. T. Shapely buds and substantial, high-centered blooms of clear pink, sweetly scented. Each, 35c.

Duchess of Wellington. H. T. Intense saffron-yellow, changing to a deep coppery saffron-yellow as the flowers are fairly full, with large petals, great substance, delightfully fragrant. Each, 45c.

Etoile de Hollande. H. T. Brilliant red blooms of magnificent size, perfect in half-open state, showing clean, attractive centers when fully open; very fragrant. Each, 45c.

Frau Karl Druschki. H. P. The distinctive form and expression of its bud. Large flowers of waxy paper white in June. Each, 35c.

Golden Ophelia. Golden yellow in center shading to pale yellow on the outer petals. This is a seedling of the well-known variety Ophelia. Each, 45c.

Gruss an Teplitz. H. P. The color is of the richest scarlet, shading to a velvety crimson; very fragrant. Each, 35c.

Jonkheer J. L. Mock. H. T. A gorgeous, very double, brilliant pink variety shaded darker on the outside of the petals. Each, 35c.

Killarney White. H. T. A duplicate of the charming pink Killarney. Flowers white as snow, Each, 35c.

Los Angeles. H. T. Beautifully shaped, fragrant flowers of pale salmon-pink, richly shaded with deep rose and gold. Each, 40c.

Madame Butterfly. H. T. A bright pink. Compared with Ophelia, this derivation is fuller-petaled, more prolific, and of greater color appeal. Each, 35c.

Mme. Albert Barbier. H. P. Full, cupped flower of soft fawn-yellow, paling to white, with pinkish shades in the center, blooming throughout the season. Each, 50c.

President Herbert Hoover. Maroon, orange and gold. Long-pointed buds, rigid stems. One of the best fall bloomers. Each, 50c.

Radiance. H. T. Brilliant rosy carmine shaded pink, large, full of fine form. A constant bloomer and an excellent keeper in summer. Each, 40c.

Red Radiance. H. T. An ideal bedding Rose of American origin that continues to produce its large flowers throughout summer. A rose that does well everywhere. Each, 40c.

Souvenir de Claudius Pernet. H. T. A most vigorous grower of erect branching habit. Beautiful, brilliant green foliage; color, a most striking sunflower-yellow. Each, 40c.

Sunburst. H. T. Rich yellow, cupped flowers shaded with orange. Each, 35c.

Talisman. H. T. The outside of the petals is bright yellow, gold and pink; as the flower opens it becomes bright apricot. The bud is long and pointed. A strong grower with glossy foliage. Each, 45c.

DWARF POLYANTHA ROSES

Baby Rambler, Crimson Baby. The Crimson Rambler in dwarf form, with the same clear, brilliant color. Each, 30c.

George Elger. A delicately beautiful variety shaped like Cecile Brunner, but soft golden yellow in bud and paler in open flower. Each, 35c.

Triomphe Orleanais. One of the earlier improvements on Orleans. Finest of the crimson Polyanthas. Each, 30c.

HARDY CLIMBING ROSES

Staechelín. Crimson buds opening to large, perfumed, pale pink flower. Each, 40c.

Primrose. New hardy yellow climber with large double, canary-yellow flowers in great profusion. Each, 40c.

American Pillar. Tremendous growth and glossy, permanent foliage. Flowers single, brilliant pink with a white eye. Each, 35c.

Dr. W. Van Fleet. The color is a remarkable delicate shade of flesh-pink on the outer surface, deepening to rosy-flesh in the center. Each, 35c.

Paul's Scarlet Climber. No other rose in any class can compare with it for brilliancy of color, which is a vivid scarlet. Each, 35c.

Silver Moon. Four to five-inch semi-double flowers pure white with thick clusters of yellow stamens. Each, 35c.



Radiance

CANNAS—CALADIUMS—MISCELLANEOUS SPRING BULBS

AMARYLLIS, GIANT-FLOWERED

New Hybrids. This selection of giant bloomers in wonderfully varied and brilliant colorings. This giant flowered strain is a mixture with the colors ranging from the darkest red shades through the medium striped and light shades. Each, 45c.

ISMENE CALATHINA

(Pancratium Lily or Peruvian Daffodil)

One of the choicest of our summer flowering bulbs, blooming profusely during the summer. Handsome clusters of large, very striking, fragrant pearly white flowers. Bulbs should be kept warm and dry and planted out in the middle of May. Large bulbs, each; 10c; dozen, \$1.00.

BEGONIAS (Tuberous Rooted)

Enormous wax-like flowers appear uninterruptedly from June until frost. Plant bulbs outdoors about May 1st or start indoors any time prior to then. Rose, Scarlet, White, Yellow, Each, 20c; doz., \$2.00.

CINNAMON VINE

Well-known hardy climber; quick grower, with beautiful glossy heart-shaped leaves and sweet-

ORCHID AND LARGE FLOWERING CANNAS

Ready for shipment during March and April.

Massed plantings in one color are recommended striking combinations of colors may be arranged.

RED, GOLD EDGED

Pennsylvania. 6 ft. Large, orchid-flowered scarlet, overlaid with orange. Each, 7c; doz., 60c.

The President. 4 ft. This Canna is superior to any other red variety in the quality and also the quantity of bloom. Each, 8c; doz., 75c.

BRONZE LEAF, RED

Ambassador. 3½ to 4 feet. Bronze foliage; color poppy red; very brilliant flowers. Each 8c; doz., 75c.

King Humbert. 4 ft. The plants are crowned with immense heads of orchid-like, velvety orange-scarlet, rose-tinted and margined at the base. Each, 8c; doz., 75c.

Wyoming. Bronze purple foliage, immense spikes of large massive orange flowers. 6 ft. Each, 7c; doz., 60c.



King Humbert

scented flowers. Vines will run 20 to 30 feet in a season. Large Roots, 10c; doz., \$1.00.

HARDY GARDEN LILIES

Bulbs should be planted as soon as the frost is out of the ground; the earlier the better. Set the bulbs from five to seven inches deep. Large Bulbs.

Auratum (The Golden Rayed Lily of Japan). The flowers are pure white, through the center of each petal runs a clear golden band. Each, 20c; doz., \$2.25.

Speciosum Melpomene. Frosted white spotted, clouded and bordered with pinkish crimson. Each, 20c; doz., \$2.25.

Speciosum Rubrum. Petals are thickly dotted with rose or crimson spots. Each, 20c; doz., \$2.25.

Lilium Regale (3 ft.), Extra large bulbs, pure white, yellow center. Each, 20c; doz., \$2.25.

Lilium Regale. First size bulbs, pure white, yellow center. Each, 15c; doz., \$1.50.

Tiger Lilies—Tigrinum splendens, (4 ft.), Orange scarlet. Each, 15c; doz., \$1.50.

By Parcel Post, add 5c dozen, postage.

as being most effective; but many beautiful and

ORANGE AND YELLOW

King Midas. A very large flowering, beautiful, glittering Yellow Canna, with green foliage about 5 ft. tall. Fine for bedding. Each, 8c; doz., 75c.

Yellow King Humbert. 4 feet. Foliage a very dark green, flowers a deep rich yellow, softly spotted and blotched with bright red. Each, 8c; doz., 75c.

PINK CANNAS

City of Portland. 3½ feet. A deep pink which does not fade during the hot weather. Each, 8c; doz., 75c.

Mrs. A. R. Conrad. 3 to 4 feet high. Color an exquisite, soft, opaque pale pink with darker pink in throat. Each, 8c; doz., 75c.

Gaiety. 4 ft. Scarlet-orange mottled with carmine and edged with clear yellow. Each, 7c; doz., 60c.

Hungaria. 3½ feet. The best pink Canna. Trusses of enormous size borne well above the foliage. Very compact, almost dwarf and of a very luxuriant growth. Each 8c; doz., 75c.

WHITE CANNAS

Eureka. 4½ ft. With the advent of Eureka we are granted good full trusses; broad petals; uniform, free and continuous bloom, and a clean, waxy, lily-white color. Each, 8c; doz., 75c.

CANNA COLLECTION

The President, King Humbert, King Humbert Yellow, Rosea Gigantea, King Midas, Hungaria. One each of the 6 Cannas, 40c.

CALADIUM ESCULENTUM

Elephant's Ear. One of the most effective foliage plants for beds and borders. Can be used with good effect as a border for tall-growing Cannas.

	Each	Doz.
Mammoth bulbs	\$0.30	\$3.25
First Size bulbs .....	.20	2.25
Medium bulbs .....	.10	1.00

TUBEROSE

By Mail, add 10c Dozen, Postage

Dwarf Excelsior Pearl. 24 inches. Early bloomer bearing pure white flowers, very double and sweetly scented. Doz., 60c.

Albino. 30 inches. Very early bloomer; dwarf habit; flowers waxy white and single, very fragrant. Doz., 60c.

SELECT GLADIOLUS

Gladioli, by Parcel Post, add 5c per doz.

The Gladiolus is one of the most decorative plants in the garden, and as a cut flower lends itself readily to any arrangement. If the spikes are cut when the lowest flower is in bloom, the others will open in succession and remain fresh a week or ten days. Gladioli will thrive in almost any good soil except a stiff clay. They require full sunlight and are liable to injury only from rank manure. Plant the bulbs six to nine inches apart, the large ones four inches and the small ones two inches deep.

BLUE SHADES

Anna Eberius. An extra fine variety and one that is destined to become very popular; color, dark velvety purple, throat a deeper shade. Doz., 40c; 100 for \$3.00.

Captain Boynton. Large lavender with purplish blotch. Doz., 40c; 100 for \$3.00.

Chas. Dickens. Very tall, strong plant with large flower head and very large purple violet florets. Doz., 40c; 100 for \$3.00.

Geraldine Farrar. Lavender blue and a worthwhile variety of this color. Doz., 50c; 100 for \$3.50.

Marmora. It is large, stately, and most unusual in colors which are lavender gray with colored blotch. Doz., 75c; 100 for \$5.50.

Minuet. Beautiful clear, light lavender, four to six large, heavily textured blooms open at once. Doz., 65c; 100 for \$4.75.

Paul Pfitzer. Brilliant velvety purple; large, massive flowers on strong stems; prolific grower. Doz., 50c; 100 for \$3.50.

Ruth Huntington. Beautiful violet lilac with deeper lilac markings on lower petals. Doz., 40c; 100 for \$3.00.

Veilchenblau. The color is a beautiful violet-blue, darkening toward the center. The entire flower appears, at the first glance, to be made of blue velvet. Doz., 65c; 100 for \$4.75.

RED SHADES

Crimson Glow. Deep scarlet-red, lighter in throat. Carmine blotch on lower petals. Doz., 35c; 100 for \$2.50.

Dr. F. E. Bennett. This is among the finest of the new reds. Tall, sturdy grower with well arranged flower. Doz., 40c; 100 for \$3.00.

Dr. Christ Martz. Ruffled light blood red. Large blooms. Each, 5c; doz., 40c; 100 for \$3.00.

Mrs. Francis King. The color brilliant flamingo-pink, blazed with vermillion red. Doz., 30c; 100 for \$2.00.

Nimrod. Flowers of a rich deep dark crimson color and from five to seven inches across. Doz., 40c; 100 for \$3.00.

Scarlet Princeps or Virginia. Flaming scarlet; large massive flowers, many open at a time, making a gorgeous display of dazzling red. Doz., 30c; 100 for \$2.00.

WHITE

Mary Pickford. Lovely creamy white with soft sulphur yellow throat; stem also creamy instead of green. Doz., 40c; 100 for \$3.00.

Mrs. F. C. Hornberger. Pure white, tall and strong. Six to eight open flowers at one time. Doz., 50c; 100 for \$3.50.

Mrs. J. R. Walsh. A magnificent tall heavy spike with very long flower head. The color is white tinted with pink with large flame colored blotch on lower petals. Doz., 50c; 100 for \$3.50.

L'Immaculee. Pure white; tall slender stems with many flowers open at a time. Doz., 35c; 100 for \$2.50.

Peace. The general effect of the flower is white, with a pale lilac feathering on the interior petals. Doz., 30c; 100 for \$2.00.



PINK SHADES

- Betty Nuthall.** The plants are tall and vigorous, the spikes very long, strong and graceful. The color is glowing orange pink with pale orange throat and a light feathering of carmine. The florets are often six inches across. Doz., 60c; 100 for \$4.55.
- Catherine Coleman.** Rich coral La France pink; very large flowers well placed on tall, strong stem. Doz., 40c; 100 for \$3.00.
- Elizabeth Tabor.** Delicate rose pink on white ground, rich dark crimson blotch pointed yellow. Doz., 35c; 100 for \$2.50.
- Emile Auburn.** Indescribable blend of rose and orange with a slaty gray overtone, scarlet and rose blotch on lower petals. Doz., 40c; 100 for \$3.00.
- Giant Nymph.** Very large, light pink with creamy throat; one of the finest varieties on strong stem. Doz., 40c; 100 for \$3.00.
- Halley.** Salmon pink with a slight roseate tinge, though the lower petals bear a creamy blotch with a stripe of bright red through the center. Doz., 30c; 100 for \$2.00.
- Jane Addams.** Soft lavender-pink, white throat, very large flowers of a clear color; tall, strong spikes. Doz., 50c; 100 for \$3.50.
- Los Angeles.** Shrimp pink with orange carmine throat. Doz., 30c; 100 for \$2.00.

- Mrs. Dr. Norton.** The three lower petals have a blotch of sulphur yellow, strained at the base with fine specks of pink. Doz., 40c; 100 for \$3.00.
- Mrs. Leon Douglas.** Ground color Begonia-Rose, striped with flame and brilliant scarlet. Doz., 35c; 100 for \$2.50.
- Mrs. Frank Pendleton.** The petals show beautiful bright rose-pink on a pure white ground, contrasting in a most striking way with the deep rich velvety blood-red blotch on the lower petals. Doz., 30c; 100 for \$2.00.
- Mr. W. H. Phipps.** La France pink, overlaid with salmon rose, lighter towards the center, lower petals faintly striped and speckled with ruby; enormous flowers, as many as 15 open at a time and perfectly placed on gigantic stem. Doz., 40c; 100 for \$3.00.
- Mrs. P. W. Sisson.** A very good light pink. Doz., 30c; 100 for \$2.00.
- Myrtle.** The most beautiful pink, clearest dainty ruffled rose-pink. Doz., 35c; 100 for \$2.50.
- Pearl of California.** Clear La France pink, blending to a rosy white throat; as many as ten to twelve large flowers open at a time. Doz., 60c; 100 for \$4.50.
- Pride of Wanakah.** Tall, graceful spike of rich rose. Much admired by every one. Doz., 40c; 100 for \$3.00.

YELLOW SHADES

- Golden Measure.** This is the first really rich yellow large flowering variety produced, it makes a handsome spike well filled with the large blooms and is a strong free grower. Doz., 40c; 100 for \$3.00.
- Schwaben.** In color the flowers are a delightful cream shade with the two lower inside petals or segments blending to canary yellow. The throat is splashed with carmine. Doz., 30c; 100 for \$2.00.

CHOICEST MIXED GLADIOLUS COLLECTION

One bulb each of 12 named varieties. Absolutely the finest assortment of Gladiolus offered by any one. This collection gives you a magnificent display of Gladiolus of every conceivable color, shading and marking. Per collection of 12 bulbs, 30c.

PRIMULINUS

The blooms are distinct in their pleasing form and arrangement. Although the individual flowers are not large, they carry an air of grace altogether different from the stiff effect of other types.

- Alice Tiplady.** A rich orangy saffron, very beautiful and artistic blooms. Doz., 30c; 100 for \$2.00.
- Aflame.** Begonia rose shading to bright orange flame near the edge. Back of petals even brighter than the front. Each, 7c; Doz., 65c.
- Mrs. Calvin Coolidge.** A beautifully ruffled light salmon rose. Well worth growing if you like the more delicate shades. Doz., 40c; 100 for \$3.00.
- Souvenir.** Purest golden yellow of all Gladioli; large, beautifully shaped flowers on tall stem. Doz., 30c; 100 for \$2.00.
- Orange Queen.** An apricot orange primulinus hybrid. Beautiful wide open flowers of excellent substance. Doz., 35c; 100 for \$2.50.
- Primulinus. Mixed.** Self colors that are most pleasing on account of their delicacy. Doz., 30c; 100 for \$2.00.



(Prim.) Orange Queen

ST. LOUIS SEED CO.'S DAHLIAS

TIME OF PLANTING. The time for planting Dahlias varies, quite a good deal, according to the locality. In the Central states tubers may be set out as early as May 1st in some sections and from then until the middle of June. Some of our best blooms have been grown from tubers planted out about June 15. Dahlias should be planted from 2½ to 3 feet apart and covered to a depth of four inches. We only list varieties which will do best in our Middle West.

DECORATIVE DAHLIAS

Brockton Beauty. Light lavender flecked with purple in center. A beautiful dahlia of uniformly large size and fine form, and an early and free bloomer with long erect stems. Each, 50c.

Casper G. Ware. Clear violet rose. Low-growing, spreading bush that is a mass of big, deep blooms all season. A splendid and reliable variety for your garden. Each, 50c.

Champagne. Golden champagne with chamois shadings. Large flowers on rigid stem. This dahlia is a fine, free bloomer of very unusual coloring. Each, 40c.

Delice. Valuable for cut-flowers; remain fresh long after cutting, long stems, perfect form. The color is a beautiful, soft, glowing rose-pink, shading slightly to the center. Each, 30c.

Dr. John Carman. Tyrian rose, tipped silver. Deep, broad-petaled flower held erect on strong stem. The medium-height bush is very rugged and a good bloomer. Each, \$1.00.

Ellenor Vanderveer. A very large, deep bloom of satiny rose pink with darker shadings. Excellent bush growth and long, strong stems. A great favorite. Each, 40c.

Fordhook Victory. Clear tyrian pink, a beautiful self color. The very low bush is a reliable bloomer under any conditions, and there is no purer color among the pink dahlias. Each, 75c.

Grace. White, faintly flushed with delicate lavender pink, deepening slightly in the center. The perfectly formed flowers average 6 to 7 inches across, though by disbudding they can be grown to 9 inches, and are produced on long, rigid stems. Each, \$1.00.

Jane Cowl. This marvelous dahlia is an enormous, deep flower of the warmest shades of buff, apricot, and old gold, beautifully formed, and held absolutely erect on superb stems. Each, 50c.

Jersey's Beauty. If we could grow but one dahlia this would be the one, as it has everything to recommend it; pure pink color, large size, perfect formation and stem, fine growing habit. Each, 40c.

Jersey Beacon. A decided novelty of Chinese scarlet with a paler reverse, giving a two-toned effect. There is no variety that was ever grown that has attracted as great attention as Jersey's Beacon. Each, 50c.

Judge Marean. A fine large bloom of changing blends of salmon pink, watermelon red, orange and gold. Free bloomer on splendid stems. Each, 40c.

Kathleen Norrls. The sensational 1929 introduction which won innumerable prizes and is undoubtedly the greatest pink dahlia. Enormous flowers of pure rose pink are held stiffly erect on long stems above a wonderfully vigorous bush of healthy, clean foliage. Each, \$1.50.

Eldorado. Picture a comparatively low growing bush with immense golden yellow blooms, which stand up and look you in the face, and you have an Eldorado. Each, 50c.

Lady Bountiful. The flowers are excellent keepers and fine for cutting either disbudded or allowed to grow naturally. Color is reddish salmon, very attractive. Each, \$1.00.

Mrs. I. De Ver Warner. The flowers grow to an immense size without any great amount of disbudding, are of a perfect regular type and of the most glowing shade of mauve pink. Each, 40c.

Monmouth Champion. The outstanding performer among the new dahlias last year. An immense, brilliant flame-colored flower, with vigor, habit, stems and blooming qualities all that could be desired. Each, \$1.75.

Rose Fallon. Dark orange, tinted with amber and salmon. A popular exhibition prize-winner, the massive blooms standing on very long stems. Each, 75c.

Waldheim Sunshine. Color is deep, pure yellow with a rich golden suffusion around its full, high center. A very sturdy grower and free bloomer with strong erect stems. The graceful formation of the long, wavy petals is one of the greatest attractions. Each, \$1.00.

CACTUS DAHLIAS

Ambassador. Color a soft yellow at the center with salmon, amber and pink shadings, gradually deepening towards the tips. The blending of these colors captivates all. Each, 50c.

Daddy Butler, Hybrid Cactus. A most unusual blending of colors, American Beauty shades or rosy carmine, and the reverse of the beautifully twisted and rolled petals of a lighter tint, giving a variation of color. Each, 50c.

Edna Ferber. Size of flowers very large; color, coral shading to old gold at base of petals, which are long and wavy. Tubers, each, \$1.00.

F. W. Fellows. An intense coral red with a deeper suffusion at the center. For a long time it has stood foremost among the Cactus varieties. Flowers of unusual size for the long narrow petaled type. Each, 40c.

Fort Monmouth. (Semi Cactus.) The predominating color is a rich crimson maroon with a hue of bluish violet at tips of petals. The flowers are well formed, full centered, of true semi cactus type and immense size. Each, \$1.00.

Gladys Sherwood. An immense glistening pure white, producing its giant flowers composed of long curling petals very freely without any forcing or disbudding. Each, 40c.

Jean Chazot. Golden bronze with faint suffusion of Nasturtium red. A free blooming. It is a fine exhibition flower, splendid for garden decoration. Each, 40c.

POMPON DAHLIAS

These are tiny, compact growers, usually of quilled petals, and do not require disbudding.

Johnnie. A deep dark-red. Tiniest of all and none more perfect in form. A favorite with men for button-hole bouquets. Each, 25c.

Kleine Domitea. Pretty orange buff dahlia. Profuse bloomer on good stems makes it a favorite for table decorations. Each, 25c.

Joe Fette. Unquestionably the best white pompon. Perfect flowers, long stems and very free. The Florists' favorite white pom for cutting. Each, 25c.

Yellow Gem. Small fine formed flower of creamy yellow color. Excellent for mixed bouquets or used alone, is a Ladies' favorite for table decoration. Each, 25c.

Little Jewel. A clear peach blossom, pink color, decorative with flowers averaging from one and one-half to two inches. Probably the best and prettiest pompon on the market today. Each 25c.

DEPENDABLE POULTRY SUPPLIES

(Parcel Post or Express Charges Extra)



MOE'S OATS SPROUTER

Total height of frame, 3 feet.
Size of pans 16 inches by 18 inches. Packed knocked down, one in a crate.
No. 110. Moe's Oats Sprouter.
Each, \$5.00



MOE'S PIGEON FEEDERS
Made of heavy galvanized iron, with feeding holes spaced all around hopper.
No. 106. 6-quart capacity.
Shipping weight, 4 lbs.
Each\$1.00



SANITARY EARTHEN FOUNTAINS

Constructed of white stone ware, in two parts, so that it can be easily filled and cleaned.
1 Quart, Each, \$0.40; doz., \$ 4.75
2 Quart, Each, .60; doz., 7.00
1 Gallon Each, .80; doz., 9.50
2 Gallons, Each, 1.00; doz., 11.00

Sanitary Drinking Fountain

MOE'S GEM CHICK FOUNTAINS
A good, inexpensive fountain for chicks or grown fowl. Made of galvanized steel.
Each
No. 158. 1 Gallon\$0.55
No. 159. 2 Gallons\$0.75



MOE'S BOTTOM-FILL FOUNTAINS

The round shape prevents bursting from freezing. The cone-shaped top prevents chickens from roosting thereon. Made of best quality galvanized.
Shipping Weight Each
No. 19. 1 Quart1 lb. \$0.25
No. 20. 2 Quarts ...2 lbs. \$0.30

MOE'S WINTER FOUNTAIN

A simple and reliable fountain with a heater.
The fountain has a capacity of 5 gallons, and the lamp holds sufficient Kerosene to burn continuously for one week.
No. 75. Winter Fountain. Each,\$3.50
Heater only, shipping weight, 5 lbs. 1.90

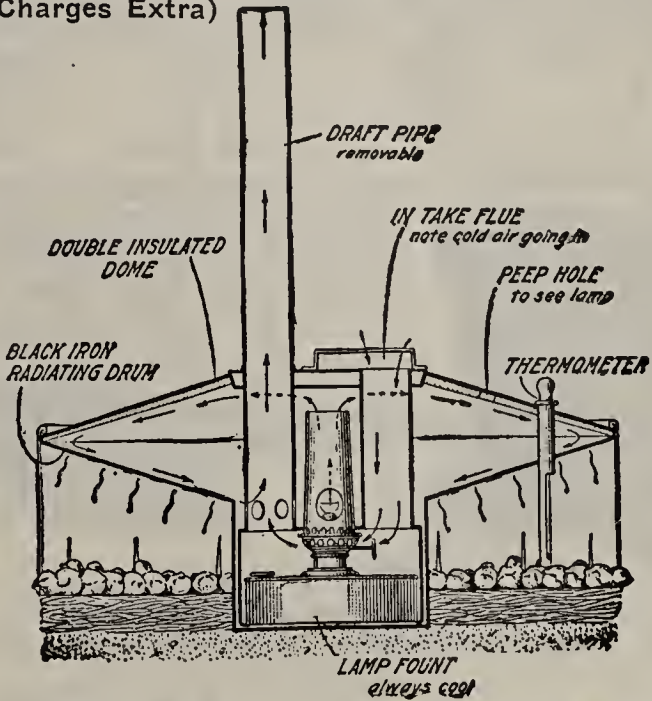
MOE'S TOP-FILL CLEANABLE FOUNTAINS
(With Round Pans)
Made of heavy galvanized steel. with double walls, which keeps the water cool in summer, and retards freezing in winter.
Shipping Weight Each
No. 33. 2 Gallons7 lbs. \$2.10
No. 34. 4 Gallons9 lbs. \$2.60

THERMOMETERS

Brooder Thermometers, 50c each.
Tested Incubator Thermometers, 75c each.

NEST EGGS

China Nest Eggs. Made of white porcelain, natural in appearance. 30c doz.
Lice Repelling White Nest Eggs. Made of naphthalene. 60c doz.



Sectional View of the Sanitary Hover

INTERNATIONAL SANITARY HOVER

A brooder is an artificial hen. Its purpose is to perform the duties of a mother hen toward the chicks so far as the hovering is concerned. Baby chicks spend the day running in and out under the hover to get warmth when chilly and to scratch for food. This gives them plenty of fresh air. Price, \$13.50.



LAWN PARK EXTENSION COOP

This coop is a combination closed and open air coop. The wire extension has no bottom. This allows the hen and little chicks to scratch and pick on the ground.
Size of coop extended, 46 inches by 20 inches and 18 inches high. When closed 24x20x18 inches.
Each\$3.00

ECONOMY TRAP NEST FRONT

Can be easily fitted to any orange or ordinary wood box or coop and gives the breeder the opportunity to use a size nest best adaptable to his birds.
Trap nest front. Each 2 lbs.\$0.50
Per dozen 20 lbs.6.00



MOE'S STAR FOUNTAIN AND FEEDER

The latest improved type of Mason jar founts. Made of single piece of heavy, non-rusting material.
PriceEach 10c; Doz., \$1.20
Shipping weight, per dozen, 4 pounds.
We do not furnish jars.

MOE'S DRY MASH HOPPERS

A dry Mash Hopper of great merit, made of heavy galvanized iron. The curved bottom keeps the feed within easy reach of the birds, and the taper shape of the hopper—larger at bottom—prevents the feed from clogging.

	Height	Width	Each
No. 35.....	19 in.....	8½ in.....	\$1.25
No. 36.....	19 in.....	12 in.....	1.60
No. 13.....	19 in.....	18 in.....	1.90
No. 37.....	19 in.....	24 in.....	2.35



No. 9, Grit and Shell Box

GRIT AND SHELL BOXES

The feeding of grit, ground shells, and charcoal is now recognized as an essential part of the diet, to keep fowls in healthy, prime condition.

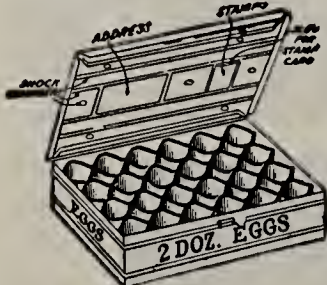
Made of heavy galvanized iron in three sizes. No. 45 for baby chicks has a square bottom, the other sizes have round bottoms.

	Compartments	Each
No. 45.....	Two.....	\$0.40
No. 9.....	Three.....	.75
No. 90.....	Four.....	1.00

FARMER'S FRIEND EGG CARRIER

The Farmer's Friend Egg Carrier is made with patent lid fastener and equipped with handle.

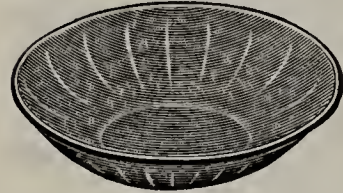
	Each	Weight
6 doz.....	\$1.00	5 lbs.
9 doz.....	1.10	6½ lbs.
12 doz.....	1.20	8 lbs.
15 doz.....	1.30	9 lbs.



METAL EGG CARRIERS

These carriers assure safe delivery of eggs no matter how far they are sent. Being made entirely of metal.

	Each	Weight
2 doz. eggs...	\$1.50	4 lbs.
3 doz. eggs...	1.75	4 lbs.
4 doz. eggs...	2.00	5 lbs.
6 doz. eggs...	2.50	6 lbs.
9 doz. eggs...	3.25	8 lbs.
12 doz. eggs...	4.00	10 lbs.



PIGEON NESTS

Made of galvanized iron. Diameter 8 inches with a small hole punched in center so it can be tacked to a board. Generally used in pairs.

No. 107. Pigeon Nests. Each15c

PETTEY'S PUNCH

With this small punch you can make a small hole thru the web between the toes of the chicks. 15c.

SPIRAL LEG BANDS

	12	25	50	100
No. 4. Baby chicks	\$0.10	\$0.15	\$0.25	\$0.40
No. 6. Pigeons .....	.10	.15	.25	.45
No. 9. Mediterranean .....	.10	.20	.30	.50
No. 11. American .....	.15	.20	.35	.60
No. 12. Asiatics .....	.15	.25	.40	.70



"BANDETTES"

Bandettes come in the following colors: Red, blue, green, yellow and pink. Two sizes; Mediterranean (Leghorn) and American (Rocks). 25 for 60c; 50 for \$1.10; 100 for \$2.00; 500 for \$9.50.

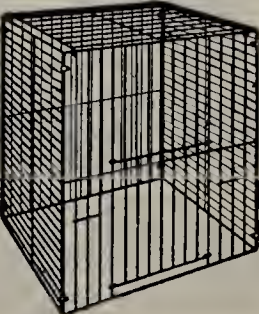
EXHIBITION COOPS

The middle partitions are woven close so the birds cannot fight when close together.

Single coop, 24x24x27 inches high. Each \$1.75; Dozen, \$20.00.

Pen, 48x24x27 inches high. Each\$3.00

Exhibition coop cups. Each\$0.20



FELT LAMP WICKS



	Width	For Burner	Per Dozen
No. 208.....	5/8 in.....	No. 1.....	\$0.25
No. 209.....	7/8 in.....	No. 2.....	.45
No. 210.....	1½ in.....	No. 3.....	.35

MOE'S ROUND BABY CHICK FEEDERS

The top fits snugly, yet the feeder can be easily taken apart for cleaning and filling. It is a great food saver, as the chicks cannot get into the feeder and contaminate the food. The chicks cannot upset it.

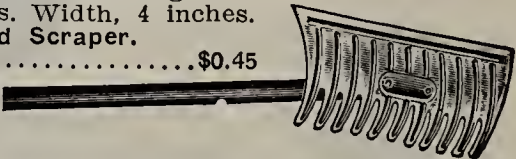
No. 11. Diameter, 6 in. Each	\$0.10
No. 12. Diameter, 8¾ in. Each .....	.20



HANDLED SCRAPER

The toothed or rake edge is excellent for cleaning sand or sifted ashes on drop boards. Length of blade, 9½ inches. Width, 4 inches. No. 51...Handled Scraper.

Each\$0.45



MOE'S LARGE CAPACITY FEEDERS

No. 140. Made of heavy galvanized iron. Length 21 inches. Width 8½ inches. Height 7 inches. Capacity 10 quarts. 32 feeder openings. Shipping weight, 5 pounds.

Price, each	\$0.90
No. 141. Made of heavy galvanized iron, capacity 17 quarts; length, 35 in.; width, 8½ in.. height, 7 in. Each	\$1.40

MOE'S DOUBLE FEEDING TROUGHS



Made of best quality galvanized iron. Double trough, with sliding top, easily filled and cleaned. Accurately stamped with dies. No rough edges.

No. 58. Length 12 in., Each.....	\$0.25
No. 59. Length 18 in., Each.....	.35
No. 60. Length 24 in., Each.....	.45
No. 76. Length 36 in., Each.....	.60

MOE'S ECLIPSE FEEDING TROUGHS

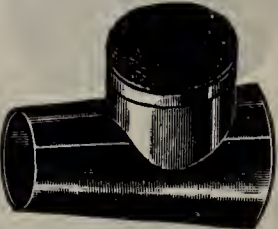
The pan and top are both stamped in one piece, no seams, rivets or solder used. Sliding top makes them easy to fill and keep clean. Made in two sizes.

No. 27.....Length 10 in.....1 lb.....Each	\$0.20
No. 28....." 20 in.....1 lb....."	.25

HANDY EGG TESTER

This Egg Tester is designed for use on ordinary hand lamp, and fits over any style of burner.

Each\$0.25



ALUMINUM LEG BANDS



12 bands.....	\$0.15	100 bands.....	\$0.65
25 bands.....	.25	500 bands.....	3.00
50 bands.....	.40	1000 bands.....	5.50

MOE'S LAMP BOWLS

No. 100 Lamp bowl. Diameter 6 in., height 1½ in. Has a side handle. Takes size 1 burner. This is the same bowl as used in our No. 10 Fountain Heater. \$0.50.

No. 101. Lamp bowl. Diameter, 6¾ in. Height, 2¼ in. Takes size 2 burner and size 2 chimney. \$0.60.

No. 102. Lamp bowl. Diameter, 8 in., height, 2¾ in. Takes size 3 burner and size 3 chimney. \$0.75. Chimney for No. 1, 2, 3 Burner. Each, 20c.

COMBS

Best Nickel-Plated Steel Combs (Imported)



- No. 1. Coarse teeth, 7 inches long.....\$1.60
No. 2 Medium teeth, 7 inches long..... 1.60
No. 3. Coarse and fine teeth, 7 inches long..... 1.60
No. X. Very coarse, 7 inches long..... 1.60
These are suitable for Collies, Setters, etc.

- No. 4. Coarse, 4 inches long.....\$1.00
No. 5. Medium, 4 inches long..... 1.00
No. 6. Fine, 4 inches long..... 1.25
No. 0. Flea Comb, 4 inches long..... 1.25
These are suitable for Terriers, Spaniels, etc.

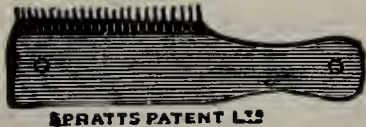
No. 6 is the celebrated flea comb, used on cats and dogs, recommended by leading breeders.

- No. 7. Nit comb; double row teeth, one side fine teeth, other side very fine\$1.50



- No. 8. Tiny comb. Very fine teeth.....\$1.00
No. S. Flea comb. Long teeth..... 1.25

Solid Steel Stripping Comb No. 9



- No. 9. Solid steel stripping comb for Terriers, etc., each.....\$0.85
No. 14. Stripping comb, same as No. 9, but has teeth on two sides, with leather case..... 1.25

Sold Steel Stripping Comb with Horn Handle No. 10



Very fine short teeth, most suitable for combing Fox and Irish Terriers, each.....\$1.50

Combination Pocket Terrier Stripping Comb and Knife

This combination stripping comb surpasses anything introduced for kennel convenience where rough or wire haired dogs are cared for. Each.....\$1.75

Stripping Combs

- Taylor Adjustable, Single.....\$1.75
Taylor Adjustable, Double..... 2.00
No. 11. Folding..... 1.60

Nickel-Plated Steel Flea Comb with Wood Handle



- No. 6A. Each.....\$1.75

Imported Steel Combs No. 9

(Nickel-plated), with handle, for rough-coated dogs\$1.25

DOG GLOVES

Unrivalled for producing a healthy, sleek, and glossy surface on the coats of Greyhounds, Foxhounds, Bulldogs and other smooth coated dogs.

When ordering single gloves specify whether right or left-handed glove is desired.

- Hair on two sides.....\$2.50
Hair on one side only..... 1.25

SPRATT'S WIRE FIBRE DOG GLOVES

The advantages claimed by this glove are efficiency, cleanliness and durability. Especially suitable for Greyhounds. Cocker Spaniels, Bulldogs, Great Danes, Shepherds and Wire-haired Dogs.
Each\$2.25

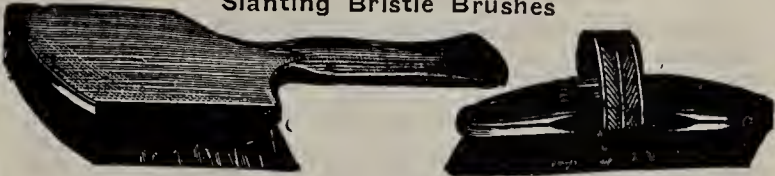
BRUSHES

Special Brush for Toy Dogs and Cats

An imported brush for Yorkshire Terriers and silky-coated toy Dogs and Cats. Made from the best Russian bristles. Will last for years.

- No. 58A. White Bristle\$3.25
No. 59B. Black Bristle 2.25
No. 60. Gray Bristle 2.00
No. 59A. White Bristle, large..... 3.25

Slanting Bristle Brushes



These brushes are invaluable for Bulldogs, Terriers and other smooth-coated dogs.

- No. 1-25. Slanting Bristle Brush, with handle..\$1.50
No. 22. Slanting Bristle Brush, small..... 1.50

Whalebone Brushes

Suitable for Collies, St. Bernards, Setters, and other rough coated dogs.

- No. 38X.\$2.00
No. 9. (With handle) 1.75
No. 42. 1.50
No. 40. (With handle) 1.50
No. 50. (Small for Terrier)..... .85

The "Pneumatic" Toy Dog Brush No. F-130

With handle. Stiff bristles, in rubber. Each \$2.25

SPRATT'S WIRE DOG BRUSHES

- No. 26. All wire, 3¼ inches by 6 inches.....\$1.25
No. 27. Wire and hair, 3¼ inches by 6 inches.. 1.25
No. 28. Wire and hair, 2½ inches by 5¼ inches.. 1.50

PENETRATING BRUSH FOR DOGS (Domestic)

Leather, small size, 3x6\$1.50
Made from best quality gray Russian Akatka bristles. The best all-round brush ever offered to the public.

PATENT FLEXIBLE DOG BRUSH

Especially suitable for Greyhounds, Danes and close-coated dogs. This brush, which is made from flexible wire, with a rubber back, commends itself to all Exhibitors of Show Dogs, and others.
Each\$1.75

WALLEY'S DRY CLEAN PATENT DOG BRUSH

Walley's Brush and metal holder, complete.....\$1.50
Antiseptic dry clean powder, per tin..... .30

DOG COMB OR RAKE

Single or double rows of teeth. Especially suited for French Poodles and rough-coated dogs.
Each, Single \$1.00; double, \$1.25

COMBINATION DOG BRUSH AND COMB

Most suitable for rough-coated dogs, horses' manes, etc. Invaluable to the kennel and stable.
Each\$1.50

NICKEL-PLATED NAIL NIPPERS

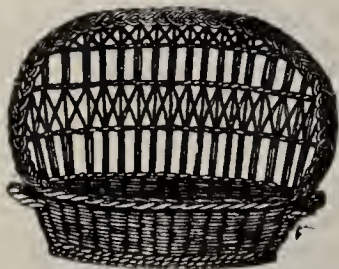
- No. 665. Domestic\$1.50
Spratt's Nail Nippers..... 2.25

FRENCH PATENT SNAPS

- No. 0. (Tiny) Each\$0.20
No. 1. (Small) Each25
No. 2. (Medium) Each30
No. 3. (Large) Each40

SPRATT'S DOG COUPLES (Imported)
Order by Number

	No. 00 Toy Dogs	No. 1 Large Terriers	No. 3 Bull Dogs
Suitable for			
Nickel-plated	\$1.00	\$1.00	\$1.25
	No. 0 Small	No. 2 Collies	No. 4 Great Danes
Suitable for			
Nickel-plated	\$1.00	\$1.00	\$1.75



WILLOW SLEEPING BASKET

For Dogs and Cats. Keeps Them from Sleeping on Beds, Chairs, etc.

	Long	Wide	
No. 1—Tiny	16 in.	11 in.	\$2.25
No. 2—Small	17 in.	12 in.	2.75
No. 3—Medium	19 in.	13 in.	3.25
No. 4—Large	22 in.	14 in.	3.75
No. 5—Extra large	24 in.	16 in.	4.25

DOG CARRYING BASKET

Made of French imported willow ware. Light in weight. These baskets have a door in the side and are ideal for carrying a dog. Made in three sizes.

	Long	Wide	High	Price
No. 1	17 in.	10½ in.	10 in.	\$3.00
No. 2	19 in.	13 in.	11 in.	4.25
No. 3	22½ in.	15 in.	14 in.	5.50

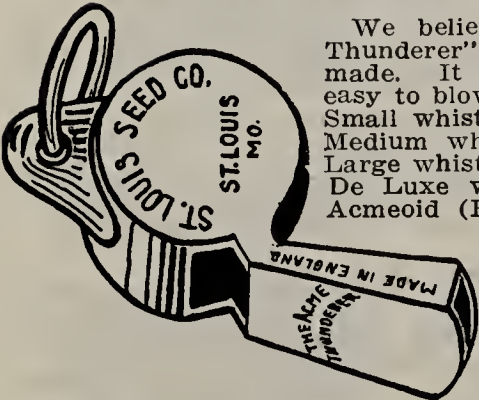


HORN WHISTLE

These whistles are made of buffalo horn and serve very well for hunting dogs that do not go wide. They are not as loud as the "Acme Thunderer" but many sportsmen like them because there is no danger of their freezing to one's lips in cold weather.

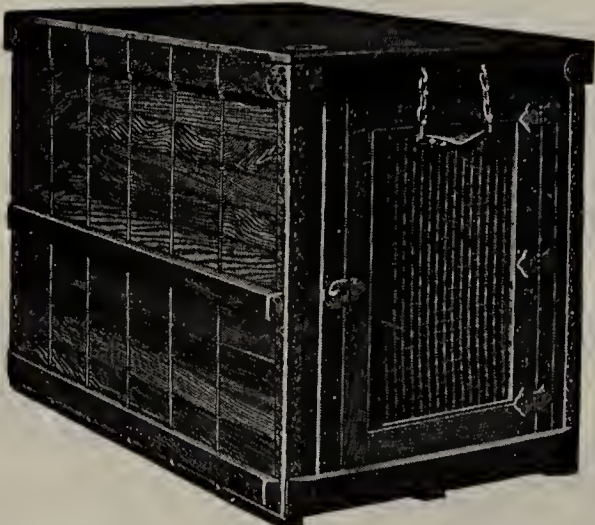
Buffalo horn whistle. Postpaid\$0.40
Dog Head horn whistle. Postpaid .. .40

"ACME THUNDERER" WHISTLE



We believe that the "Acme Thunderer" is the best whistle made. It is very loud and is easy to blow.
Small whistle\$0.50
Medium whistle65
Large whistle75
De Luxe whistle90
Acmeoid (Bakelite)50

BACKUS UTILITY DOG SHIPPING CRATE



Corners are ironed and riveted and will not pull apart. Heavy iron mesh in door and opening in back for ventilation. Light in weight and stands the roughest usage.

	Inside Measurements	Weight	
	Long-wide-high		
No. 91	24 x 16 x 18	24 lbs.	\$10.00
No. 92	30 x 18 x 24	37 lbs.	11.50
No. 93	36 x 22 x 26	47 lbs.	12.50
No. 94	42 x 24 x 32	60 lbs.	17.50

BACKUS PULLMAN CRATE



For Shipping Dogs with Greatest Possible Convenience, Comfort and Luxury—Handsome Dog Crate Made.

	Inside Measurements	Weight	
	Long-wide-high		
No. 1	24 x 16 x 18	30 lbs.	\$27.50
No. 2	30 x 19 x 22	37 lbs.	28.50
No. 3	36 x 22 x 26	56 lbs.	29.50
No. 4	42 x 24 x 32	73 lbs.	36.50
No. 6	33 x 26 x 28	62 lbs.	34.50

Size Shipping Crates to Order
No. 1—Pullman or No. 91 Utility—For Fox, Boston, Scotch and Sky Terriers, Cocker Spaniels, Bull Dogs, Beagles and the like.
No. 2—Pullman or No. 92 Utility—For Bull, Irish and Airedale Terriers, and small size Pointers, Setters and Collies.
No. 3—Pullman or No. 93 Utility—For Setters, Pointers and Collies.
No. 6—Pullman—For two Pointers, two Setters, or two Collies.
No. 4—Pullman or No. 94 Utility—For Greyhounds, Wolfhounds, Police Dogs and small size Great Danes.

"HUNTER STYLE"

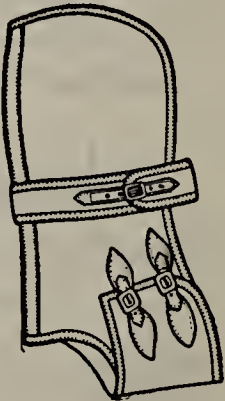
Made only in one size for Setter or Pointer dog. Place for dog measures inside, 36 in. long, 21 in. wide, 26 in. high. Compartment on top measures inside, 33 in. long, 21 in. wide, 6 in. high.
Each\$30.00

BLANKETS

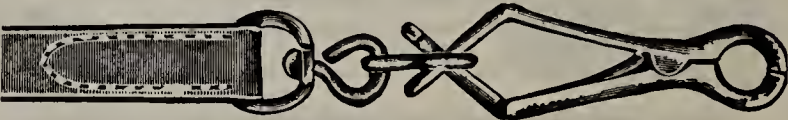
10-in.	\$1.50	16-in.	\$2.75
12-in.	1.75	18-in.	3.25
14-in.	2.25	20-in.	3.75

DOG MATS

Every dog should be provided with a comfortable, sanitary bed. For the health and well-being of your dog.
Small Size. For dogs the size of the average Boston Terrier\$5.00
Medium Size. For dogs the size of the average Airedale 7.00
Large Size. For dogs the size of the average Shepherd... 9.00
Deodorizer (Liquid treatment), 16-oz. can 1.00



LEATHER LEADS
HAND STITCHED—IMPORTED FRENCH SNAP



Made of Best Bridle Leather					
	Flat		Round		
1/4-inch.....	\$1.00	\$1.75	1/2-inch.....	\$1.25	\$2.50
3/8-inch.....	1.15	2.00	5/8-inch.....	1.40	3.00
			3/4-inch.....	1.55	3.25

PLAYTHINGS FOR YOUR DOG
Spratt's Sorbo Ball. A rubber ball of exceptional toughness. Excellent for retrieving as its spongy center will not hurt the dog's teeth. Price, 40c, postpaid.
Rubber Bone. An exact imitation of a bone, made of rubber. Excellent for teething pups or for retrieving. Price, 25c, postpaid.
Sani-Bone. A real smooth bone, boiled in salts and oil to give it additional toughness. Appreciated by all dogs. Price, 65c, postpaid.
Large Katnips. Shaped like a cat-head. Made of tough rubber. Has whistle inside. A most interesting plaything. Price, \$1.00, postpaid.
Small Katnips. Price, 50c, Postpaid.

SPRATT'S FOODS FOR DOGS

"THE BACKBONE OF THE CANINE RACE" —If wanted by mail, add postage.

Spratt's Fibo. A unique food containing a larger percentage of Spratt's world famous Meat-Fibrine. Cartons, 40c; bags, 5 lbs., 80c; 10 lbs., \$1.55; 25 lbs., \$3.35; 50 lbs., \$6.35; 100 lbs., \$12.50.

Spratt's Meat Fibrine Puppy Biscuits. A complete and perfect food for puppies from weaning time onward, and for small breeds. Cartons, 40c and 75c; bags, 5 lbs., 70c; 10 lbs., \$1.35; 25 lbs., \$3.00; 50 lbs., \$5.70; 100 lbs., \$11.25.

Spratt's Meat Fibrine Dog Cakes. For 60 years the standard dog food, used by the leading breeders and fed at the principal dog shows throughout the world. Cartons, 35c and 75c; bags, 5 lbs., 60c; 10 lbs., \$1.15; 25 lbs., \$2.75; 50 lbs., \$5.45; 100 lbs., \$10.75.

Spratt's Plain Puppy Meal. The standard Weaning Food. This meal should be used before, during and after the weaning period. Cartons, 30c; 5 lbs., 65c; bags, 10 lbs., \$1.25; 25 lbs., \$2.60; 50 lbs., \$4.95; 100 lbs., \$9.75.

Spratt's Rodnim. The twice-a-week change from hard biscuit. Rodnim can be given dry, soaked in water, broth or gravy, or mixed with boiled chopped green vegetables. Bags, 5 lbs., 80c; 10 lbs., \$1.55; 25 lbs., \$3.25; 50 lbs., \$6.05; 100 lbs., \$11.90.

Spratt's Ovals (The Pocket Dog Biscuit). A small Meat-Fibrine Dog Biscuit, suitable as a staple diet for small dogs. Cartons, 40c; bags, 5 lbs., 70c; 10 lbs., \$1.35; 25 lbs., \$3.00; 50 lbs., \$5.70; 100 lbs., \$11.25.

CANNED MEAT FOODS FOR DOGS

VIRGIE'S DOG FOOD

Virgie's Dog Food is a combination of beef and cereals that is a complete balanced food, all in one can. Dogs take readily to Virgie's and never tire of it. A soup can be made of Virgie's and poured over Spratt's Kibbled Biscuits, this making a toothsome wholesome food for the dog. Some of the largest kennels in the country are feeders of Virgie's Dog Food. Price, per 1 lb. can, 10c; per case (48-1 lb. cans), \$3.40.

By mail, add postage.

LIV-VITA

Liv-Vita is a medicated food for sick or run-down dogs. The base of Liv-Vita is liver which increases the red-blood count. In addition Liv-Vita contains vitamins A and D, as well as all the minerals essential to the good health of your dog. If you have a dog that is in poor shape, we urge you to try Liv-Vita and feel sure you will be delighted with the results. Price, 8 oz. can, 20c; per case (12-8 oz. cans), \$2.25.

By mail, add postage.

SPRATT'S DOG MEDICINES

(Price Includes Postage, Except Where Noted)

Sulfur Tablets.....\$0.60

Tablets for Dogs or Puppies showing a tendency to weakness in joints..... .60

Aperient Biscuits..... .60

Wheezing Tablets..... .60

Stomach Sedative Tablets..... .60

Calcium Phosphate75

Canine Elixr..... 1.00

Cod Liver Oil Capsules, for the purpose of overcoming Vitamins A and D deficiencies, resulting perhaps, from lack of sunshine, etc..... .60

Nerve Sedative Tablets..... .60

Alterative Tablets..... .60

Cough Tablets60

Chemical Mixture..... 1.00

Tablets for Constipation..... .60

Digestant Tablets..... .60

Astringent Tablets for Dogs..... .60

"Special" Tablets—A Diuretic and Stimulant.... 1.00

Dip Disinfectant..... .60

Ear Canker Ointment..... .75

Eye Lotion Tablets60

Ointment for superficial varieties of Mange and certain forms of Eczema..... .60

Flea Powder..... .30

Salve for the Hair..... .60

Special Cathartic Tablets for stimulating flow of bile60

Diuretic Tablets..... .60

Liniment60

Laxative Tablets60

Mange Medicine..... .75

Mouth and Throat Wash..... .75

Expectorant or Stimulant for irritations of the upper respiratory tract..... .60

Purgative Tablets..... .60

Tablets for muscular aches and soreness due to exposures to colds and dampness..... .60

Tape Worm Tablets..... .60

Tonic and Condition Tablets..... .60

Capsules for Ascarids and large round worms in dogs60

Capsules for Ascarids and large round worms in puppies60

Tonic and Condition Tablets for Toy Dogs and Puppies60

"Special" Tablets for Toy Dogs and Puppies.... 1.00

Dip Disinfectant....½ gal. cans, \$2.00..1 gal cans 4.00

Mange Medicine....½ gal. cans, \$2.00..1 gal cans 4.00

Ointment for superficial varieties of Mange and certain forms of Eczema1 lb., \$2.00..2 lbs... 4.00

Capsules for Ascarids and large round worms in Dogs\$5.00

Capsules for Ascarids and large round worms in Puppies 5.00

These packages contain 15 times the quantity packed in 60c package.

DOG MEDICINES

We can supply Glover's, Sergeant's, Dent's, Delcreo, Clayton's, Crisp's and Dr. LeGear's dog remedies. We will gladly mail you booklets published by the manufacturers of the above mentioned lines of remedies.

TETRACHLORETHYLENE

For Hook and Round Worms

We can supply this safe, effective anthelmintic in the following sizes:

SIZE A—0.2cc (3 minims)	SIZE B—1 cc (16 minims)
Puppy and Toy Dog Size	Large Puppies and Dogs
25 capsules .....\$0.50	16 capsules .....\$0.50
60 capsules 1.00	40 capsules 1.00
200 capsules 2.50	260 capsules 5.00
SIZE B & C (Assorted)	SIZE C—2 cc (32 minims)
B—1 cc (16 minims)	Large Dogs
C—2 cc (32 minims)	12 capsules .....\$0.50
8 B capsules.. } \$0.50	30 capsules 1.00
6 C capsules.. }	200 capsules 5.00
20 B capsules.. }	Write for free booklet
15 C capsules.. }	on the "Treatment of the
125 B capsules.. }	Hookworm disease in
100 C capsules.. }	Dogs."

MAGNESIUM SULPHATE CAPSULES

Small package (12 capsules).....\$0.50

Medium package (30 capsules)..... 1.00

Large package (200 capsules)..... 5.00

TAPEWORM TABLETS

Small pkg. 10 tablets.....\$0.50 postpaid

Medium pkg. 50 tablets..... 2.00 postpaid

Large pkg., 100 tablets..... 3.00 postpaid

Clotrate. A cod-liver oil concentrate Clotrate is of special interest to dog breeders because of its insured vitamin content. Clotrate is supplied at the following postpaid prices:

45 Tablets.....\$0.50	450 Tablets.....\$4.00
200 Tablets..... 2.00	1000 Tablets..... 7.50

Shep's Soap. Shep's Dog Soap is the finest soap that you can use on your dog. Kills fleas, keeps the coat glossy and eliminates the "doggy" odor. An excellent soap for show dogs. Price, 25c, postpaid.

"P. H." WORLD'S GREATEST ANIMAL CONDITIONER AND WORM EXPELLER. GIVEN TO THE ANIMALS WITH ITS FOOD

70 per cent of all your live stock losses are caused by WORMS. Get rid of these profit-eating, blood-sucking pests—they keep your animals in a run-down, runty, unthrifty condition. Worms sap their strength, spoil their digestion and make them easy prey to dangerous diseases.

"P. H." is used by the largest dog kennels in this country and abroad. Show dogs are conditioned with "P. H." and are kept in the pink of condition at all times by regular use of "P. H." Owners of racing greyhounds have found "P. H." a wonderful conditioner and wormer for these dogs that must be in top condition to win.

"P. H." is economical to use, as you will save more than the slight cost of "P. H." in food, as your animal will get the full benefit of its food thus effecting a sufficient saving in the feed bill to more than pay for the "P. H." used. "P. H." is a positive necessity to every large kennel.

"P. H." is the cheapest form of health insurance that you can secure.

Delivered Prices of "P. H."

1½ lb. tins.....	\$1.75	28 lb. tins.....	\$18.75
3½ lb. tins.....	3.50	84 lb. cases....	57.50
7 lb. tins.....	5.75	112 lb. cases....	68.00

DR. LeGEAR'S POULTRY REMEDIES

Postpaid			
Dr. LeGear's Worm Pills (50)	\$0.50		
Dr. LeGear's Worm Pills (120)	1.00		

Postpaid	
Dr. LeGear's Chick Tablets	\$0.50
Dr. LeGear's Headlice Remedy .....	.25
Dr. LeGear's Lice Powder .....	.25
Dr. LeGear's Fly and Insect Powder .....	.30
Dr. LeGear's Poultry Worm Powder (4 lbs.)	1.00
Dr. LeGear's Poultry Prescription, 1½ lbs., 25c; 3½ lbs., 50c; 8 lbs., \$1.00; 25 lbs., \$3.00.	
Dr. LeGear's Dip and Disinfectant, by express only. Quart, 65c; gal., \$1.75.	

B. K.

B. K. is a clean, colorless, non-poisonous germ killer. Used in dilution with water. Ten times as powerful a germ killer as undiluted carbolic acid.

B. K. is excellent for sterilizing brooders and incubators. Destroys all strong odors as well as germs.

4 oz., 30c; 10 oz., 50c; qt., 90c; 1 gal., \$2.00; 5 gal., \$8.50. B. K. Cannot be mailed.

MISCELLANEOUS PREPARATIONS

Water Glass. Recommended for use in preserving eggs. One pint will preserve 6 dozen eggs. Cannot be mailed. 1 pt., 20c; qt., 35c; 2 qts., 65c; gal., \$1.25.

"H. W." A liquid tonic and remedy for many diseases of poultry, such as roup, cholera, white diarrhea, etc. Postpaid. 50c and \$1.00.

Egg-O-Hatch. A preparation to be used on hatching eggs to reduce the strength of the shell rendering same weak, thereby permitting the chick to break same with greater facility. Postpaid, 50c.

Egg-O-Latum. A greasy preparation rubbed on the outside of an egg to preserve same. Egg-O-Latum will keep an egg for a year. One jar will preserve 50 dozen eggs. Postpaid, 50c.

Carbola. Carbola is non-poisonous and non-caustic. It is applied with a brush or sprayer and dries pure white. One pound of Carbola makes 1 gallon disinfecting white-wash cover 200 square feet. By mail, add postage. Trial Pkg., 25 oz., 30c; 5 lbs., 75c; 10 lbs., \$1.25; 50 lbs., \$5.00.

ST. ANDREASBERG BIRD SPECIALTIES

Postpaid	
St. Andreasberg Bird Joy, per cube	\$0.15
St. Andreasberg Bird Seed, per lb. pkg. ....	.25
St. Andreasberg Bird Cordial, per bottle ....	.25
St. Andreasberg Song Restorer, per bottle ..	.25
St. Andreasberg Bird Gravel, per pkg. ....	.15
St. Andreasberg Mite Powder, per pkg., ....	.15
St. Andreasberg Bird Salve, per tin .....	.15
St. Andreasberg Nestling Food, per pkg. ....	.25
St. Andreasberg Nesting Hair, per pkg. ....	.10
St. Andreasberg Shell Producer, per pkg. ..	.20
St. Andreasberg Feather Restorer .....	.25
St. Andreasberg Cuttle Bone, with holder....	.20
St. Andreasberg Cuttle Bone, Postpaid .....	.10

CAGE ACCESSORIES

Bath House. White enameled tin with removable glass sides. To use, open door of cage and attach. Fits any cage. Bird cannot spill water in cage. Each, 65c.

K. R. O. KILLS RATS ONLY is a product that dog owners and poultry raisers are looking for. It is harmless to man, dogs, cats, poultry and other domestic animals. However, K. R. O. is deadly poison to rats and mice. K. R. O. is made of powdered squill which attracts rats and mice. They usually die in the open searching for water. Price, 75c, postpaid.

Azoa. A rat poison of superior merit. Azoa creates a disease, amongst the rats, which is contagious, thereby cleaning them out in wholesale quantities. Postpaid, 50c.

Schilling's Ant and Roach Powder. A product of great merit in eliminating ants and roaches from the house. Postpaid, 25c; 50c; \$1.00.

Nopco Cod Liver Oil is tested both for purity and vitamin potency. Tests are made on rats to prove the presence of vitamins A and D in satisfactory strengths. Prices: Qt., 75c; 2 qts., \$1.50; gal., \$2.50; 5 gals., \$11.25. F. O. B., St. Louis, Mo.

GOLD FISH SUPPLIES

Spratt's Genuine Wafers. The food in general use for gold fish. Made of finest rice flower. Price, 10c per pkg.; by mail, 12c.

Eighteen Karat Fish Food. A balanced mixture of animal and vegetable matter for all aquarium fishes. Price, 15c per tin; by mail, 17c.

Universal Fish Food. An imported food consisting entirely of animal matter. Price, 20c per pkg., by mail, 22c.

Anacharis. The best moss for growing in an aquarium. Grows easily and supplies oxygen and food to the fish. Price, 15c per bunch; by mail, 17c.

Dip Nets. A useful article when fish must be handled. Wooden handle, fine mesh. Price, 20c; by mail, 25c.

Pearl Chips. Pure white, polished white clam shells. No rough edges. Useful in beautifying your aquarium. ½ pt., 10c; 1 pt., 20c; 1 qt., 35c; by mail, add postage at rate of 1 lb. per half pint.

INSECTICIDES AND FUNGICIDES

Goods Marked (*) can be mailed at buyer's expense. Goods not marked cannot be mailed.

Acme All Around Spray. Combination Spray for combating chewing insects, sucking insects, and blight and fungus diseases. Complete spray guide enclosed in each package showing use on flowers, plants. Contains Arsenate of Lead, Bordeaux Mixture and Nicotine Sulphate. $\frac{1}{4}$ lb. carton 45c; 1 lb. carton, 95c.

The Antrol system is adapted to any size house or garden and quickly destroys all species of sweet eating ants. It is composed of small glass containers and a special formula of syrup. The containers are partially filled with syrup and placed about the outside edges of the house or along "ant" trails in the garden if the infestation occurs there. The ants smell the syrup eat it and then transmit its mild poison to the queen in the nest. Soon the entire ant colony is destroyed.



Antrol sets containing 4 containers and 1 4-oz. bottle of syrup, 75c; Antrol extra containers (each), 10c; Antrol Syrup, 4-oz. bottles, 35c; pints, 85c; gallons, \$3.50.

ANSUL FORMALDEHYDE DUST



For damping-off control of seedlings use $\frac{1}{2}$ oz. of Ansul Formaldehyde Dust per square foot of area of soil in beds, benches or flats $2\frac{1}{2}$ to 3 inches deep.

Dust evenly over the surface and work thoroughly into the soil. Then plant the seeds and water thoroughly.

Treat soil to be used for transplanting or for cuttings at the same rate as above, or spread out or put in flats but treat 72 hours ahead of intended use. 1 lb. cans, 50c; 5 lb. cans, \$1.50; 25 lb. drum, \$4.50.

Aphis Punk (22- $\frac{1}{2}$ % Nicotine) for Fumigating Greenhouses. This paper gives off dense fumes deadly to Aphis, Thrips, and Midge. One sheet takes care of 6000 cu. ft. air space. Carton 12 sheets 90c; Case of 12 cartons \$8.50.

Arsenate of Lead Powder. The best known and most extensively used stomach poison for insects. It is safe to use on most plants. For general use, 1 pound to 50 gallons of water, or 3 teaspoonfuls to 1 gallon of water. $\frac{1}{2}$ lb., 20c; 1 lb., 35c; 4 lbs., \$1.00; 12 lbs., \$2.50; 24 lbs., \$4.75.

Atlaclde Non-Poisonous Weed Killer Duster exterminates all undesirable vegetation including Poison Ivy, Canada Thistle, Johnson Grass, etc., without danger of poisoning humans or animals. Simply shake powder from can on the weeds and grasses to be killed. Especially recommended for obtaining weed-free driveways, paths, tennis courts and gutters.

1 lb. Duster, Each 50c; $3\frac{1}{2}$ lb. Duster, Each \$1.50. (Kills 100 sq. feet of weeds.) (Kills 350 sq. feet of weeds.)

Bordeaux Mixture Powder. For blight, mildew, rust and fungus diseases. For ordinary use it takes 6 pounds to 50 gallons of water. 1 lb., 30c; 4 lbs., \$1.00; 24 lbs., \$4.75.

Cyanogas (A-Dust). A dry powder, ready to use without any mixing, that gives off a gas effective against ants, rats, mice, moles, grasshoppers, locusts, gophers, fleas, etc. Detailed directions with every package. Cannot be mailed. $\frac{1}{2}$ lb., 45c; 1 lb., 75c; 5 lbs., \$3.00; 25 lbs., \$10.00.

Dutox—the Non-Arsenical Insecticide Especially effective against Mexican Bean Beetle, Striped Cucumber Beetle, Tobacco Flea Beetle and other Flea Beetles, also Cabbage Looper and Corn Ear Worm, Bean Leaf Roller, Bud Worm, Cabbage Worm, Cut Worm, Pickle or Melon Worm, Tomato Horn Worm. Use from one to one and one-quarter pounds of Dutox to fifty gallons of water to control beetles, weevils, and leaf-eating insects. Be sure to apply thoroughly. 1 lb., 35c; 6 lb. bag, \$1.40.

Effective against Cucumber and Melon Beetles, Cabbage Worms, Rose Slug Aphids, Leaf Hoppers, and most other plant insects including cutworms.

1 oz. Bottles, 35c; 6 oz., \$1.00; 16 oz., \$2.00. 32 oz. Bottles, \$3.50; 1 gal. Bottles, \$11.50.

***Grape Dust (Hammond's).** Used as a dust to check mildew, dry rot and other fungi. 5 lbs., 75c.

***Grafting Wax.** Used for grafting. Also good to rub over any wounds that are made on the bark or in pruning. $\frac{1}{4}$ lb., 20c; $\frac{1}{2}$ lb., 30c; 1 lb., 50c.

***Fish Oil Soap.** Used as a wash during the summer to prevent spread of scale. Destroys sucking insects and plant lice. 1 lb., 45c; 5 lbs., \$1.50; 10 lbs., \$2.75.

***Flowers of Sulphur.** Used to check mildew and fungus diseases. 1 lb., 15c; 10 lbs., \$1.25; 25 lbs., \$2.50.

***Lime Sulphur Powder.** Used as a dormant spray against scale insects. Use 10 to 12 pounds to 50 gallons of water. 1 lb., 35c; 5 lbs., \$1.50; 10 lbs., \$2.75.

Lime Sulphur (Liquid). Has same effect as the powder. Dilute with 10 parts of water. For summer spray dilute with 40 parts of water. Qt., 50c; $\frac{1}{2}$ gal., 75c; 1 gal., \$1.00; 5 gals., \$4.00.

Naptoside is Hammond's new and revolutionary plant and bulb fumigant. Heretofore similar results have only been obtainable by the use of very poisonous and dangerous gases. Naptoside is safe, yet effective against thrips, woodlice, sow bugs, centipedes, wire worms, etc. Use 1 lb. to 100 sq. ft. bench space in greenhouses, or 2 lbs. per 100 sq. ft. area when used outside.

Five pounds, \$1.25; Ten pounds, \$2.00; Twenty-five pounds, \$4.00; Fifty pounds, \$6.00.

Nikoteen Liquid. An Effective Spray when mixed with 500 parts of water. Death to Aphis, Green Fly, Spider, Mealy Bug, Thrips and many other forms of flower, fruit and vegetable lice. 30% strength—Small bottles, 30c and 50c; $\frac{1}{2}$ lb., 95c; 1 lb., \$1.75. 40% strength—4 lbs., \$5.50; 8 lbs., \$10.00.

Nikoteen Powder (15% Nicotine). For Greenhouse Fumigation. 3 oz. take care of approximately 7000 cu. ft. air space. 1 lb., \$1.00; 5 lb. tin, \$3.35; 10 lb. tin, \$5.85.

Nicotinum (Nicotine Sulphate 40%) For Spraying fruit trees, shrubs and plants in the control of Aphis and other soft-bodied, sucking insects. Will mix with Arsenate of Lead, Bordeaux Mixture and Lime Sulphur, thus controlling sucking insects, eating insects and fungus diseases in one operation. Excellent for eradicating poultry lice. 1 oz. bottles, 35c; $\frac{1}{2}$ lb. tin, \$1.20; 2 lbs., \$3.10; 5 lbs., \$5.75; 10 lbs., \$10.15.

Paris Green. Paris Green is a strong and best known poison for potato bugs. $\frac{1}{4}$ lb., 15c; $\frac{1}{2}$ lb., 25c; 1 lb., 45c; 2 lbs., 85c; 5 lbs., \$2.00.

Plantgard. A safe, effective non-poisonous powder for vegetables and flowers. Both an insecticide and fungicide. Effective against cabbage worms, cucumber beetles, etc. Price, 10 oz., 15c.

Scalecide. A dormant spray for scale. Mix 1 part Scalecide with 15 parts water. 1 qt., 60c; 1 gal., \$1.40; 5 gals., \$4.90; 10 gals., \$8.50; 30 gals., \$16.50; 50 gals., \$23.50.

***Slugshot.** Thoroughly reliable in killing cutrant worms, potato bugs, cabbage worms, chicken lice, slugs, sow bugs, etc. Cartons, 20c; 5 lbs., 75c.

Snarol is a ready prepared meal that you simply broadcast on the ground, under the vegetation. These pests eat the meal and are quickly destroyed.

Snarol will not deteriorate from rain or sprinkling and also is non-injurious to vegetation when used according to simple directions. These features distinguish it from ordinary controls and make Snarol popular with professional gardeners and nurserymen.

Prices, 1 lb. packages, 35c; 3 lb. packages, 85c; 15 lb. bags, \$3.00; 50 lb. bags, \$8.00.

Sulfocide. A summer spray for scale. 1 pt., 50c; 1 qt., 85c; 1 gal., \$2.25; 5 gals., \$7.50.

Tobacco Dust. For aphis. 100 lbs., \$3.50.

***Tree Tanglefoot (Caterpillar Paste).** A sticky substance spread around the bark of trees to prevent creeping insects from climbing up the tree. 1 lb. can 50c; 5 lb. can, \$2.35; 10 lbs., \$4.50; 20 lbs., \$8.75.

***Volck (Nursery).** The scientific Insecticide for nursery, green house and garden. Controls scale insects, mealy bug, white flies, red spiders, rust mites, aphis and thrips. $\frac{1}{2}$ pt., 35c; 1 pt., 60c; 1 qt., \$1.00; 1 gal., \$3.00; 5 gal., \$12.00.

***Tree Paint (Pine Tar).** For painting on wounds after pruning. 1 pt., 30c; 1 qt., 50c; 1 gal., \$1.75.

Weed Killer (Hammond's) Kills weeds in gutters, roads, paths, tennis courts, etc. Will not discolor cement. Easier and less expensive than hoeing and digging. Use 1 part Weed Killer to 50 parts of water. 1 qt., 50c; 1 gal., \$1.75; 5 gals., \$8.00; 30 gals., \$45.00.

M-G-K
EVER GREEN
NON-POISONOUS INSECTICIDES

SPRAYERS THAT SPRAY

SPRAY YOUR ORCHARD AND SAVE YOUR FRUIT

MYERS' COMPRESSED AIR SPRAYER

An extra heavy material chamber with a 1¾ inch brass tube cylinder attached to the can by means of a heavy brass screw nut. The handle is D-shaped and large enough to be operated by anyone in perfect comfort.

No. 296. Galvanized\$5.00
No. 297. Brass 8.50

PERFECTION SPRAYERS

A COMPRESSED AIR SPRAYER that is riveted. An extra strong sprayer. The automatic shut-off nozzle is built for high pressure work. Four-gallon capacity.

Galvanized\$5.00 Brass\$8.50

Junior Perfection. A small compressed air sprayer of the "Perfection" type. The capacity is 2½ gallons and owing to the fact that it is not so heavy, it is a great favorite among the ladies.
\$4.00; postpaid, \$4.25.

PRIZE BUCKET PUMP

Double acting works on both up and down stroke and throws a continuous stream. Can be used with any ordinary pail or bucket. Acme nozzle, 3½ feet of rubber spray hose and strainer on bottom to prevent clogging. \$3.50; by mail, \$3.75.

DEMING'S Perfect Success

Has brass ball air chamber to cushion the stream, giving it uniform pressure. Working parts same as Prize bucket spray. Can be fastened to bucket and entire outfit carried from place to place. Comes with 4 feet ¾-inch discharge hose and Bordeaux nozzle. \$6.50; by mail, \$6.75.

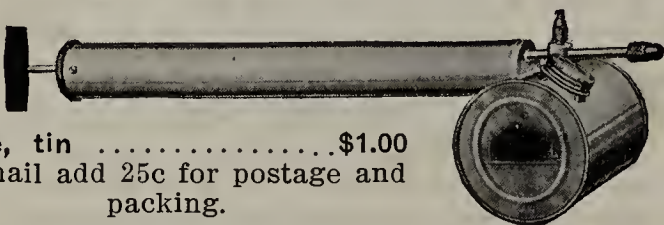
DEMING'S CENTURY BARREL PUMP

The "Century" is proof against corrosion, as all working parts are brass; is so substantially constructed as to be practically exempt from breakage; is easy to operate and a fine buy for the orchardist. Universal Iron Base—adjustable to any size or depth of barrel—fits the flat head or curved side of barrel. Twin paddle type agitator. Brass discharge "Y" for two leads of hose. \$16.00.

Bordeaux Nozzle.	\$1.00	Sprinkling Nozzle	\$0.30
Vermorel Nozzle.	.80	Male End .....	.25
Imperial Nozzle..	.40	Female End .....	.25
Y .....	.50	Bend .....	.25

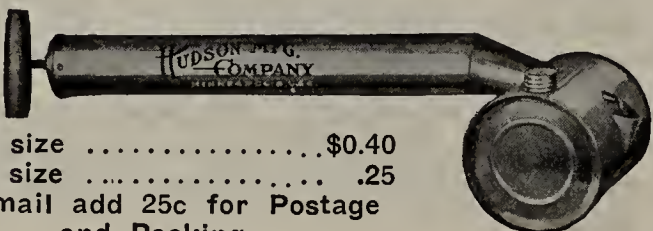
BAMBOO EXTENSION RODS—8 feet long
Each, \$4.00; 10 feet, \$4.50; stop-cock, \$1.00

CONTINUOUS SPRAYER



Price, tin\$1.00
By mail add 25c for postage and packing.

NEW MISTY



1 Qt. size\$0.40
1 Pt. size25
By mail add 25c for Postage and Packing.



Imperial Nozzle



Female End Prize Bucket Pump

Perfect Success

MYERS' PORTABLE SPRAYER R 336B

Made of extra heavy galvanized iron. Capacity, 12½ gallons. Pump has patented cog-gear handles. The valves are brass ball with a brass seat. The dasher agitator keeps the material stirred.

This sprayer comes with 15 ft. ½-in, 5-ply discharge hose, 8 ft. extension and Vermorel nozzle.

Each\$22.50



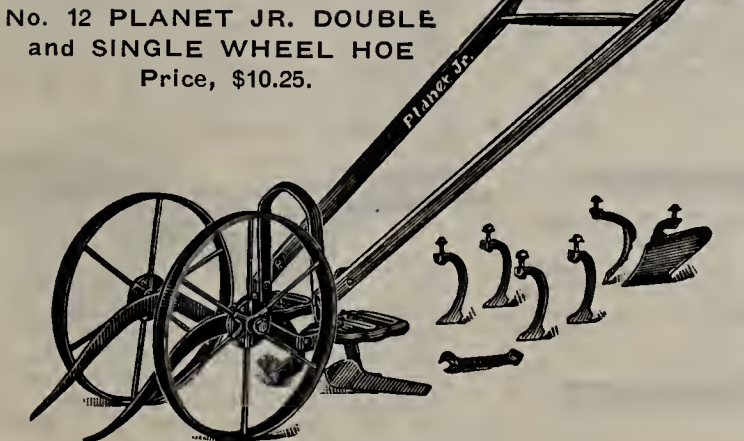
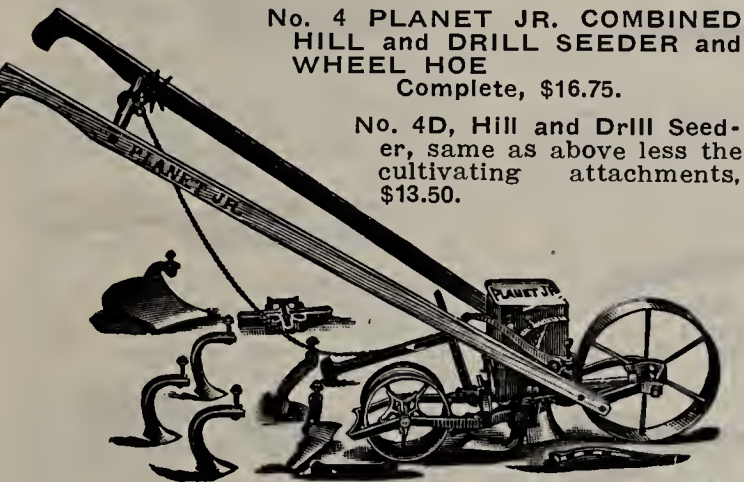
MYERS' BARREL PUMP No. 305B

It has a good leverage, is very powerful and easily operated. Complete with one lead of 15-ft. 5-ply discharge hose, graduating Vermorel nozzle and mechanical agitator.

Each\$13.50
Myers' Extension Pipe, 4 ft. Each35c

PLANET JR. FARM AND GARDEN IMPLEMENTS

Carefully made of best materials. Save time, labor, money. Specialized tools made by Specialists



No. 4 PLANET JR. COMBINED HILL and DRILL SEEDER and WHEEL HOE
Complete, \$16.75.

No. 4D, Hill and Drill Seeder, same as above less the cultivating attachments, \$13.50.

No. 12 PLANET JR. DOUBLE and SINGLE WHEEL HOE
Price, \$10.25.

EXTRAS FOR PLANET JR. TOOLS

Plow for Single Wheel Hoe. Each\$1.50
S 100-101 Hoe. 7½-Inch Blade. Pair 1.50
Rakes. Each, 3-tooth, 45c; 5-tooth75
Disc Hoes. Pair 3.50
Three-Prong Cultivator Teeth. Each 1.75
Cultivator Teeth. Each35

Cyclone Seed Sowers. The hopper or sack has a capacity of ½ bushel. It sows, with ease to the operator, all varieties of grain and grass seed, perfectly even. Each, \$1.75; postpaid, \$1.90.

Pennsylvania Rotary Lawn Rake. This is virtually a revolving lawn comb, having flexible steel wire teeth which go between the blades of grass, and comb out all dead grass, crab grass, and leaves. Each, 24-Inch machine, \$35.00.

Lightning Tin Horn Seed Sower. Has long tin sectional tube, having sack attached; also has adjustable feed for different grains and quantities. Each, \$1.00; Postpaid, \$1.10.

Cahoon's Broadcast Sower. The breadth of the cast will be according to the weight of the seed. Each, \$4.00; Postpaid, \$4.25.

Corn Planter. The Eclipse rotary has positive feed. Four changes of disc (one disc for seed or broom corn). No planter is complete without wheel to drop one grain to replant drilled corn. Each, \$1.50.

"Philadelphia" Lawn Trimmer. Will cut smoothly to ¼ inch of wall. Cylinder with 4 blades. Driving wheel 8 inches. Diameter of Cylinder, 5¼ inches. Each, 6-Inch, \$9.50.

Grass Catcher. Heavy Gauge galvanized wire frame, covered with extra quality 8-oz. green and white striped canvas side and back. Each, 14 to 16-Inch, \$1.50; 18 to 20-Inch, \$2.00.

No. 25 Planet Jr. Combined Hill and Drill Seeder, Double Wheel Hoe, Cultivator and Plow. A favorite among market gardeners, onion growers, or large gardeners. It is a perfect seeder and combined double and single wheel hoe. No. 25. Complete, \$21.00.

Planet Jr. No. 3 Hill and Drill Seeder. The hill dropping is simple and reliable, making hills either 4, 6, 8, 12 or 24 inches apart. 15-inch Steel Driving Wheel. Holds 3 quarts of seed. Weight packed, 44 lbs. \$16.50.

No. 13 Planet Jr. Double and Single Wheel Hoe has same frame, wheels and handles as Nos. 11 and 12, but has for equipment one pair of 6-inch hoes only. \$7.60.

No. 11 Planet Jr. Double Wheel Hoe Cultivator Plow and Rake. A single and double wheel hoe in one. Has steel frames and 14-inch steel wheels. \$13.00.

No. 17 Planet Jr. Single Wheel Hoe. These Single Wheel Hoes have steel frames and 15-inch steel wheels. \$7.35.

No. 19 Garden Plow and Cultivator. Equipment: 1, 1¼-inch cultivating tooth; 1, 4-inch cultivating tooth; 1 garden plow; 1 reversible combination of scuffle blade and 3 cultivating teeth. 24-inch steel wheel. \$4.75.

Firefly Garden Plow. Exceedingly useful to owners of small gardens, throwing a furrow four to six inches wide and three inches deep. \$4.00.

Star Pulverizer, Cultivator and Weeder. The star discs break up the ground and the oscillating blade pulverizes it, at the same time. It cuts a width of eight inches. \$2.85.

Speed Hoe. The Planet Jr. Speed Hoe weeds, mulches and cultivates. The Speed Hoe pushes easily and does a clean job. 8-Inch, \$7.85; 10-Inch, \$8.30; 12-Inch, \$9.25.



No. 91 TWELVE TOOTH HARROW

This twelve-tooth Harrow gives excellent satisfaction. For farmers and gardeners it is unequalled. \$11.85.

No. 8 PLANET JR. HORSE HOE AND CULTIVATOR

The lever expander and depth regulator make this an easy tool to use. The teeth are made of beveled steel and hardened. Complete, \$14.70.

GARDEN HOSE

Garden Hose. We make a specialty of the very best lawn and garden hose. We do not handle a wrapped hose; only the best moulded hose is worth buying. ½-Inch, 11c; ¾-Inch, 14c foot.

HOSE MENDERS

Hose Mender, "Perfect Clinching". ½ inch, ¾ inch and ⅝ inch, 10c; \$1.00 per dozen.

Hose Coupling, "Perfect Clinching". ½ inch, ¾ inch, and ⅝ inch, 25c each.

Quick Hose Connection. The female end is attached to the hose and the male end to the faucet. Price, male end, 35c; female end, 25c.

Hose Nozzle, Boston Spray. Brass, for ¾-inch hose. Each, 90c; by mail, \$1.00.

Hose Washers. ¾ inch, doz., 5c; 1 inch, doz., 10c.

**Asparagus Knife**

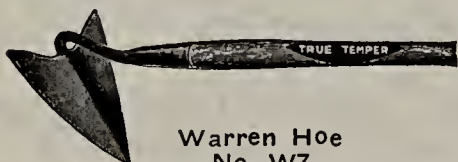
Asparagus Knife. Highest grade crucible steel, highly polished blade, 7 $\frac{3}{4}$ inches long, 1 $\frac{1}{4}$ inch blade. Fastened by two rivets in highly polished hardwood handle. Each\$0.40

**Beet Hoe**

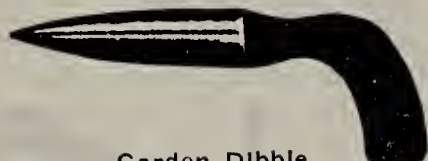
Beet Hoe. A handy little tool for gardeners to thin out lettuce beets and other small vegetables. 8 inch handle. Each\$0.45

**Socket Garden Trowel No. DST.**

Blade forged from one solid piece of high-grade steel, tempered and polished. Price\$0.90

**Warren Hoe No. W7**

For opening seed rows, covering seed, hilling, cultivating, and weeding. Has more uses than any other hoe made. Each\$1.15

**Garden Dibble**

Garden Dibble. All iron; is used for transplanting small plants. Has polished steel point. Each\$0.75

**Hand Spading Fork**

Hand Spading Fork. These forks are well made. The tines are polished about half-way and adjoining part enameled blue. 11 inch. Each\$0.35



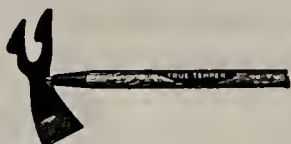
Edger Planet Jr. To keep ground looking neat and attractive, the grass bordering all walks must be frequently edged and this will do the work quickly and with little effort, no matter if the walks are straight or curved. Each\$1.50



Fork. Digging or spading, 4 tines. Strap ferrule. Gardeners everywhere are adopting spading forks in place of solid blade spades; the forks not only turn up the soil, but at the same time break it up so that cultivation is much easier. Each\$1.25

Spade. Is made from best tempered steel, fitted with select ash handles. Each\$1.25

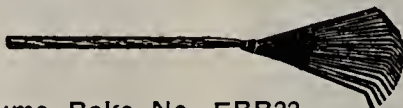
Tree Pruners. Water's. The best pruner on the market. 8 ft., \$1.85; 10 ft., \$2.10; 12 ft., \$2.25. Extra blades, each\$0.50

GARDEN IMPLEMENTS

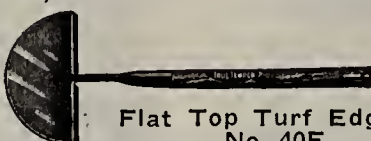
Acme Weeder or Hand Cultivator Combination hoe and cultivator combined. Made of solid steel. Each\$1.00

**Garden Rake**

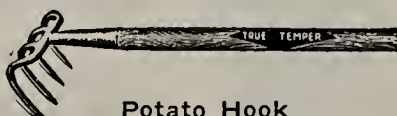
All steel, with short teeth, for walks and driveways. 16 teeth. Each\$1.20

**Brume Rake No. FBR22**

A light, strong lawn broom, with flat, tempered spring steel teeth. Also used for gathering excelsior or litter from factory or store floors. Price, Each\$0.85

**Flat Top Turf Edger, No. 40F**

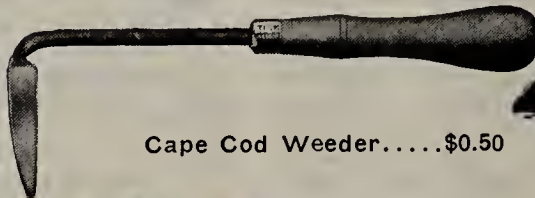
This turf edger has the upper edge of the blade turned over to furnish a flat surface for the foot. Each\$1.15

**Potato Hook**

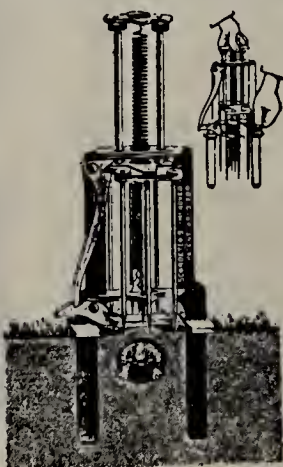
Potato Hook. Highest grade crucible forged steel tumbled finished prongs, oil tempered and carefully tested; bent head. Each\$1.10

**Garden Hoe**

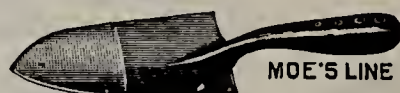
Highest grade crucible forged steel, oil tempered polished blade. 6 $\frac{1}{2}$ inch blade. Each\$0.85

**Cape Cod Weeder....\$0.50****Ideal Weeder, Price Each \$0.20****Mole Trap**

Is designed particularly for the trapping of Ground Moles. Each\$2.00



NO. 1 IMPROVED MOLE TRAP

ALL-STEEL GARDEN TOOLS**MOE'S LINE**

No. 80. Garden Trowel. One-piece pressed steel. Handsomely finished in black baked enamel. Length of blade, 6 inches. Ground and polished points. Shipping weight, 1 lb. Each.....\$0.15

**MOE'S LINE**

No. 81. Transplanting Trowel. One-piece pressed steel. Handsomely finished in black and baked enamel. Length of blade 6 inches. Width, 1 $\frac{1}{4}$ inches. Each...\$0.15

**MOE'S LINE**

No. 82. Garden Weeder. One-piece pressed steel. Handsomely finished in black baked enamel. Has five steel fingers, and is one of the most useful and handiest garden tools made. Each \$0.15

MOE'S LAWN WEEDER**MOE'S**

California Lawn Weeder. Has a slotted steel prong which holds the weed firmly and a slight pressure on the handle removes it completely, with the root. No. 89. Weeder, each\$0.25

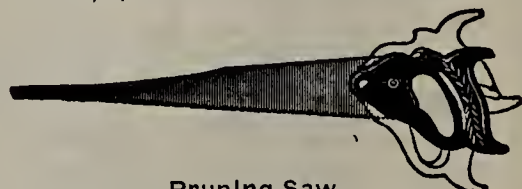
Garden Set. Three pieces; Shovel 6x4 $\frac{3}{8}$ inch blade, 42 inches. Handle Hoe, 4x3 $\frac{1}{2}$ inch blade, 48 inch handle; Rake, 5 $\frac{1}{4}$ inch head with 6 2 $\frac{1}{4}$ inch bent teeth. Per Set.....\$2.00

**Grass Shears**

For trimming edges on walks or borders. The best made. Each\$0.85

**Pruning Shears**

Pruning Shears. Very strong steel blades and good spring. Each, No. 30, 75c; No. 130, \$1.00; No. 172, \$1.50.

**Pruning Saw.**


Pruning Saw. Highest grade crucible steel, polished and etched blade with adjustable cherry-wood handle. 14 inch blade. Each\$1.10

McKenney Tree Pruner. Has two cutting blades, drop forged from tool steel. The handles are of steel, length 23". No. 1, \$1.00; No. 2, \$1.75.

Hedge Shears, No. 54. 9 inch, with notch. The "notch" is at the heel of the blades, for cutting small branches....\$1.75 6 inch, No. 34.....\$0.90

MISCELLANEOUS HORTICULTURAL SUPPLIES

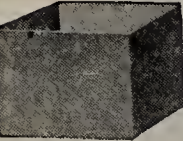
BIRD'S IMPROVED NEPONSET FLOWER POTS



In.	Weight	per 100	Doz. 100	1000
Diam.				
2 1/4	Red	2 lbs.	\$0.10	\$0.55 \$4.45
2 1/2	"	2 lbs.	.10	.65 4.95
3	"	2 lbs.	.18	.80 6.30
3 1/2	"	3 lbs.	.20	1.00 8.25
4	"	4 lbs.	.23	1.25 10.20
5	"	7 lbs.	.30	1.80 14.25
6	"	10 lbs.	.45	2.50 18.25

Black Pots, same size as above, 10% higher.


POT PLANT BANDS Ready to Use



Remember! Square bands and pots have nearly twice the cubic capacity of round pots of same diameter. All bands packed 250 to a carton, in cases weighing about 47 pounds.

No.	Size	High	250	1000
2P	2x2	2 1/2	\$1.00	\$3.00
3P	3x3	3	1.25	4.75

CEDAR TREE TUBS




Made of the very choicest seasoned cedar, highly finished with black hoops; will last as long as cypress tubs.

No.	Diam.	Height	
	In.	In.	
1	12	10 1/2	\$1.65
2	13	13	2.05
3	14 1/2	15	2.65
3 1/2	16 1/2	15 3/4	3.25
4	19 1/2	17	4.10

Cedar-Tree
Tubs

RICHMOND STYLE TREE TUBS

These Tree Tubs are made of the same selected Virginia White Cedar, bound with flat steel hoops.



No.	Diam.	Depth	
1B	6 inch	6 inch	\$0.45
4B	9 inch	9 inch	.70
5B	10 inch	9 inch	.80
6B	11 inch	10 inch	1.05
7B	12 inch	11 inch	1.20
8B	14 inch	12 inch	1.45

Germaco

Hotkaps



New Method of
Plant Protection

HIGHER PRICES FOR YOUR CROP — — —

This amazing New Method of Plant Protection gets you Higher prices for Larger and Quicker Crops.

100 lots for.....\$1.50 250 lots for.....\$3.00
1000 lots\$9.50 per M

GERMACO HOTCAP SETTERS

Germaco Garden Setter\$0.50
Germaco Steel Setter 2.50

Write for interesting pamphlet or order today!

THE PERFECTO SELF-WATERING FLOWER BOXES

Enameled in Green or Old Ivory finish.

26 inches long, 6 in. deep, 7 in. wide.....\$1.50
32 inches long, 6 in. deep, 7 in. wide..... 2.00
38 inches long, 6 in. deep, 7 in. wide..... 2.50
44 inches long, 6 in. deep, 7 in. wide..... 3.00
Cannot be sent by mail.

SPAGNUM MOSS

Extensively used for filling Fern and Orchid baskets, mixing with potting soil, covering tops of pots to preserve moisture, etc. Lb., 15c; bale, about 20 lbs., \$1.75.

Sheet Moss. For hanging baskets, bundle for 12-in. basket, 35c.

PLANT STAKES AND SUPPORTS

Japanese Bamboo Canes. Dyed Green.							
	Doz.	100	1,000		Doz.	100	1,000
1 1/2 feet	\$0.05	\$0.30	\$2.00	3 feet	\$0.13	\$0.60	\$4.50
2 feet	.08	.40	2.50	4 feet	.13	.75	5.50
2 1/2 feet	.08	.50	3.50	5 feet	.15	1.00	9.00

NATURAL CANE STAKES

6 ft., doz.	\$0.15	100	\$1.00
Chinese Tonkin Cane. These are Chinese canes, very strong and heavy. 1/2-in. diam.			
		Doz.	100
4 feet		\$0.35	\$2.50
5 feet		.40	3.50
6 feet		.60	4.00

POT LABELS

	100	1000		100	1000
4 inch	\$0.25	\$1.65	8 inch	\$0.40	\$3.50
5 inch	.30	1.00	10 inch	.65	5.25
6 inch	.35	2.50	12 inch	1.00	8.50
Tree Labels—3 1/2 x 5/8-in., 100 for 25c, per 1000....\$1.75					
Chapman Plant Marker. Made of copper, card protected by mica.					
No. 5—4 1/2 in., doz....50c; No. 7—6 1/2 in., doz....70c					
No. 8—7 in., with 1 1/2 in. card plate—doz.....\$1.00					

KNEE PADS

Knee Pads. Fits any knee and will not slip down when walking. Solid black rubber surface provides durability and long wear, while the air-sponge rubber interior cushions and protects the knee. \$1.10 Pair.

GARDEN GLOVES

E-Z Wear Garden Gloves, made from imported leather, outwear six pair fabric gloves. Pair, 75c.

RUBBER PLANT SPRINKLERS

Plant Sprinkler. Made of the best rubber. Used for spraying house plants, sprinkling clothes, etc. Price, 50c.

Putty Bulb. The best appliance for distributing putty. Used by a large number of leading florists. Price, Each, \$1.00.

DUNHAM WATER WEIGHT LAWN ROLLERS

No.	Diam.	Length	Approx. Wt.	Filled	
	inches	inches	Empty	with Water	Each
5	18	24	85 lbs.	265 lbs.	\$20.00
7	24	24	110 lbs.	420 lbs.	23.00
9	24	32	130 lbs.	565 lbs.	26.00

RAFFIA AND REED

Natural, lb., 40c; skein, 10c; colored, 1/4 lb. skein, 35c; 1 lb. pkg., \$1.25. Postage extra.

Reed. Used for basket making, lattice work, etc.

No.	1 roll	1 lb.	No.	1 roll	1 lb.
No. 1	\$0.15	\$1.15	No. 4	\$0.15	\$1.00
No. 2	.15	1.10	No. 5	.15	.95
No. 3	.15	1.05	No. 6	.15	.90

By mail, add Postage, 10c per lb.

BASKET BOTTOMS

Veneered Basket Bottoms for reed weaving. Well sanded and holes properly bored to fit uprights.

3-inch Round	\$0.10	3x 6-Inch Oval	\$0.15
4- " " "	.13	4x 8- " " "	.25
5- " " "	.15	6x10- " " "	.35
6- " " "	.18	8x14- " " "	.45
8- " " "	.25	10x16- " " "	.55
10- " " "	.40	12x20- " " "	.80
12- " " "	.45		

TIMESAVER PLANT SUPPORT

A long lived, low priced, completely adjustable support, all metal parts being galvanized, java end is green. Can be adjusted as to height and size of loop almost instantly.

	Doz.
No. 2—3 feet	\$1.00
No. 3A—4 feet	1.50
No. 4—5 feet	1.75

FRUIT PICKER

Fruit Picker. Attach to pole of any desired length. Saves all climbing, especially on young trees. 35c.

Picking Bags, made of Heavy Ducking. Each75c.



PLANT FOOD FOR LAWN, GARDEN OR FIELD

A Necessity to all Growing Plants

Sheep Manure Wizard is a natural concentrated manure that makes all plants grow to perfection. It supplies the humus to make soils mellow and friable, insuring strong, vigorous root growth. Wizard Sheep Manure is convenient and absolutely weedless. Its concentrated strength goes a long way. One Bag Equals a Whole Wagon Load of Stable Manure.

Lawns. Wizard produces a thick velvety green turf of lasting beauty. Give your lawn an application early in Spring and you will be surprised at the new beauty it will develop. In making new lawns scatter broadcast 100 pounds to 1500 square feet. Price, 5 lbs., 25c; 10 lbs., 40c; 25 lbs., 80c; 50 lbs., \$1.20; 100 lbs., \$2.15.

Cattle Manure Shredded. Manufactured by special process from selected fresh cleanings from cattle pens. There is no offensive odor, and when spread on lawn and garden it works down into the soil so that there is no refuse to blow about or be raked off when the growing season begins. Price, 100 lbs., \$2.15; 500 lbs., \$10.00.

Aluminum Sulphate. Gives the soil the acidity necessary for the successful culture of Rhododendrons and similar plants. 5 lbs., 50c; 10 lbs., 90c; 25 lbs., \$1.35; 100 lbs., \$4.75.

Bone Meal. For top dressing for lawns, pastures and meadows; also for use in the vineyard and about fruit trees and bushes. It carries ammonia and phosphoric acid. Use 400 to 600 lbs. per acre. 5 lbs., 30c; 10 lbs., 55c; 25 lbs., \$1.25; 50 lbs., \$1.75; 125 lbs., \$3.15.

Floyd's Odorless. After the soil has been thoroughly worked, broadcast one to one and one-half pounds Plant Food to the square yard and rake into soil. 25 lb. bags, 75c; 50 lb. bags, \$1.25; 100 lb. bags, \$2.25.

GRANULATED IMPORTED PEAT

Used for Top Dressing on Lawns and for Mulching Bulbs, Shrubs and Roses

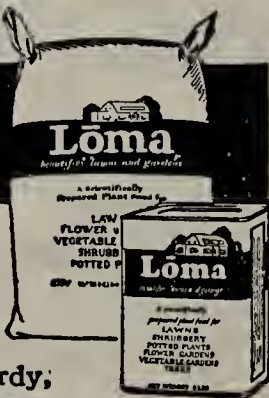


Granulated peat moss is a light brown colored virgin soil formed years ago by the growth and decay of mosses (mostly Sphagnum) and various aquatic plants, in and along the shores of fresh water lakes. It is a soil medium that is free from fungus and free from weed seeds, highly absorbent and retentive of moisture, rich in carbonaceous matter, and has no detrimental mineral content.

Established lawns should be covered $\frac{1}{2}$ inch deep with Granulated Peat Moss in the late Fall. It will almost disappear by Spring. If the Fall covering has been omitted cover lightly in the Spring and occasionally during the growing season. It soon works in about the grass roots.

Large bale, about 160 lbs. (cover 290 square feet one inch deep). Price, per bale, \$2.90.

Lōma
beautifies lawns and gardens



Lōma, the scientifically-prepared plant food, will give you results that are startling. Lawns velvety green; flowering plants sturdy; full-bloomed and tall; vegetables such as you have never had before. Lōma is rich in nitrogen. Agricultural experts will tell you that this is the most vital plant food. Lōma works quickly. In a week's time you can see the difference in your lawn.

1 lb., 15c; 5 lbs., 50c; 10 lbs., 85c; 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$4.00.



Hydrated Lime. Hydrated lime used for top dressing on lawns and mixing soil for potting plants. 50 lbs. to cover 1,000 square feet. 10 lbs., 35c; 50 lb. bags, 85c.

Jax brings wonderful immediate results because it is active plant food. No useless bulk or wasteful filler. Dissolves like sugar and goes straight to the roots. Try this scientific plant food on your grass, shrubs, plants and flowers. Tablets for potted plants, pkg., 15c; 5 lb. pkg., 75c.

Muriate of Potash. Improved Potash once again available should be used liberally, especially for all root crops. Apply 2 lbs. to 100 square feet. Price, 5 lbs., 50c; 25 lbs., \$1.35; 50 lbs., \$2.50; 100 lbs., \$4.75.

Nitrate of Soda. Carries nothing but nitrogen (ammonia)—no phosphoric acid or potash. It is highly stimulating. On grass or other vegetation it is visible in a few days after application. Lb., 10c; 10 lbs., 75c; 25 lbs., \$1.25; 50 lbs., \$2.25.

Pulverized Limestone. As a crop-producer, we hardly believe it has an equal. It is made from the purest crystalline white limestone obtainable. Bags of 100 lbs., \$1.10.

Super Phosphate. Sixteen per cent available. Bone phosphate the most available form. Used on grain crops and others requiring an excessive amount of phosphoric acid. Price, 125 lbs., \$2.50.

Sulphate of Ammonia. A wonderful fertilizer for lawn, garden or orchard. Guaranteed 25½ per cent ammonia, highly concentrated, quick acting. Sulphate of Ammonia is particularly desirable for grass lands, lawns, sports turf or pasture grasses. It is also freely used for grains and market crops. Orchardists use it for stimulating fruit crops. 10 lbs. covers 2500 square feet or 50 ft. x 50 ft. Price, 5 lbs., 50c; 25 lbs., \$1.35; 100 lbs., \$4.75.

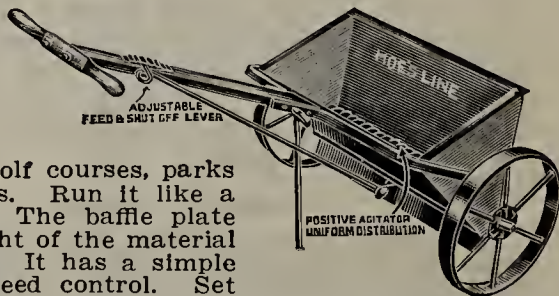
ADCO for Artificial Manure

What is required in the garden to make artificial manure:

Adco. Dry leaves, mixed with Adco and kept moist, turn into excellent manure. So do flower stalks, vines, and almost any other kind of non-woody vegetable waste.

Adco is a powder which, mixed with vegetable matter and kept moist, turns the latter into real Manure, but without the odor, flies, etc. Directions enclosed in bags. Price, 25-lb. bag, \$2.00.

Moe's Fertilizer Spreader



For lawns, golf courses, parks and cemeteries. Run it like a lawn mower. The baffle plate holds the weight of the material in the hopper. It has a simple and positive feed control. Set it for any quantity and the slide opens quickly at that point. Size at top 12x21 inches, 10 inches deep. Holds 2½ pk. of fertilizer. Each \$6.00.



*A square meal for
lawns and flowers
is 4 lbs. of Vigoro
per 100 sq. ft.*

You Can Have a Beautiful Garden!

There are three things under your control which have an important bearing on the success or failure of your lawn or garden. They are good seed, right cultural practices, and proper plant feeding.

You'll get good seed if you buy it from us. Plants will be properly planted and cultivated if you follow our planting directions. And, your plants will be properly nourished if you feed them regularly with Vigoro, the complete plant food we recommend.

Vigoro is clean and odorless, containing all of the plant food elements plants must get from the soil. Each element is present in the right proportion, assuring a balanced plant ration. That's why Vigoro produces such amazing results—that's why it develops root as well as top growth. Be sure to order a supply of Vigoro with your seed. No other plant-feeding materials need be used with Vigoro. Complete directions for use in every bag and package.

VIGORO

Complete plant food

VIGORO SPREADERS



Vigoro Spreaders apply Vigoro and grass seed quickly and evenly, assuring smooth, velvety-green lawns.

No. 12 New, Spread 14" ... \$2.50
No. 14 Junior, Spread 14", 5.45
No. 24 Standard " 24", 9.95

New Low Prices

12-oz. Pkg.....	\$0.10
5-lb. " .....	.50
10-lb. " .....	.85
25-lb. Bag	1.50
50-lb. "	2.50
100-lb. "	4.00

Use according to directions in every Bag.

100 lbs. will cover
2500 sq. ft.



GET A GARDEN TREASURE BOX

Complete, indexed card system, takes you step by step through the planning, planting, and care of your garden. Contains 100 cards with practical gardening information. When ordering a bag of Vigoro, add 25c extra and receive Treasure Box.

ORDER SHEET



ST. LOUIS SEED CO.

THE HOME OF PURE AND SURE SEEDS

411-413 WASHINGTON AVE., ST. LOUIS, MO.

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Date_____

Ent. _____

Ackn. _____

O. K. _____

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MAIL, EXPRESS OR FREIGHT) _____

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Express or
Freight Office_____

Street Address _____

Post Office
Money Order \$_____

Post Office _____

Draft or Check \$_____

County _____ State _____

Cash - - - - - \$_____

Rural Route No. _____ Box _____

Stamps - - - - - \$

[illegible]

Route Shipped by _____ Date Shipped _____ Amt. Pkgs. _____

Laid out by _____ Checked by _____

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